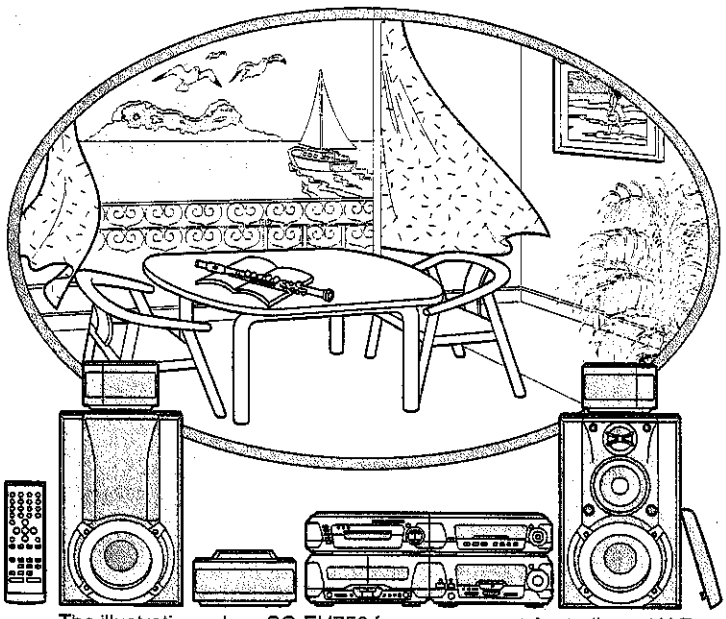
Technics®

System Component

SC-EH750

SC-EH550

Operating Instructions



The illustrations show SC-EH750 for areas except Australia and N.Z.

Note:
The "EB" indication shown on the outside packing case indicates United Kingdom.

Before connecting, operating or adjusting this product, please read these instructions completely. Please save this manual.

EB EP GN

COMPACT disc DIGITAL AUDIO

RQT4970-B

Dear customer

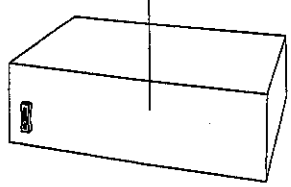
Thank you for purchasing this system.
For optimum performance and safety, please read these instructions carefully.
These operating instructions are applicable to the following systems.
These operating instructions, however, fundamentally explain the operation of system SC-EH750.

System		SC-EH750	SC-EH550
Sound processor		SH-EH750	SH-EH550
Tuner amplifier		SA-EH750	SA-EH550
CD changer		SL-EH750	—
CD player		—	SL-EH550
Cassette deck		RS-EH750	RS-EH750
Speakers	Front	(For Australia and N.Z.) SB-EH750A (For others) SB-EH750	SB-EH550
	Center	SB-PC75	—
	Surround	SB-PS75	—

CAUTION!
THIS PRODUCT UTILIZES A LASER.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

CAUTION!
DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT IN CABINET OR IN ANOTHER CONFINED SPACE IN ORDER TO KEEP WELL VENTILATED CONDITION. ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION CONDITION TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING.

(Back of product)


CD changer or CD player

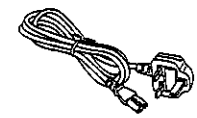
DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.	(Inside of product)
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.	(Indersiden at apparatet)
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.	(Tuotteen sisällä)
VARNING	OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.	(Apparatens insida)
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.	(Produktets innside)
VORSICHT	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET, NICHT DEM STRAHL AUSSETZEN.	(Im Inneren des Gerätes)

Supplied accessories

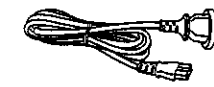
Please check and identify the supplied accessories.

☐ **AC power supply cord** ..... **1 pc.**

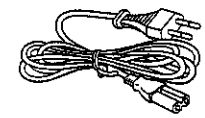
For United Kingdom (VJA0733)



For Australia and N.Z. (RJA0035-X)

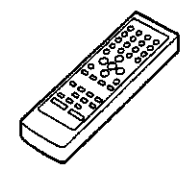


For others (RJA0019-X)

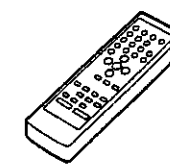


☐ **Remote control transmitter** ..... **1 pc.**

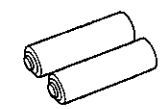
SC-EH750 **(RAK-EHA16WH)**



SC-EH550 **(RAK-EHA18WH)**



☐ **Remote control batteries** ..... **2 pcs.**

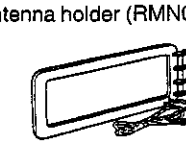


☐ **FM indoor antenna** ..... **1 pc.**

For Australia and N.Z. (RSA0006)

For others (RSA0007)

☐ **AM loop antenna set (RSA0022-J)**
- AM loop antenna ..... 1 pc.
- Antenna holder (RMN0244) ..... 1 pc.



☐ **Speaker cords** ..... **4 pcs.**

SC-EH750
(REE0393) (Red • Black) **(REE0853)** (Gray • Blue)

SC-EH550
(REE0499) (Red • Black) **(REE0853)** (Gray • Blue)

☐ **Antenna plug adaptor (SJP9009)** ..... **1 pc.**
(United Kingdom only)

Use numbers indicated in parentheses when asking for replacement parts.

Table of contents

Before use

Caution for AC mains lead 4
Installation 5
Connections 6
Preparing the remote control 7
External unit connections 9
Optional antenna connections 9
Front panel controls 10
Turning the demo function off (DEMO) 12
Setting the time 13
ECO mode 13
Memory presetting 14

Radio operations

Listening to radio broadcasts 15
Enjoying RDS broadcasts
SC-EH750 for areas except Australia and N.Z. 16
Station display (PS display) 16
Display by particular type of program (PTY) 16

Compact disc operations

Listening to compact discs For SC-EH750 17
How to load CDs 17
Sequential play 18
Direct access play 19
Repeat play 19
Random play 19
Program play 20
Listening to compact discs For SC-EH550 21
Sequential play 21
Direct access play 22
Repeat play 22
Random play 22
Program play 23

Cassette deck operations

Listening to tapes 24
To reset the tape counter 25
To fast forward or rewind the tape 25
To find the beginning of a program (TPS: tape program sensor) 25

Enjoying KARAOKE

Singing along with KARAOKE (For Australia and N.Z. only) 26

Sound field/tone quality operations/ other functions

Boosting the super woofer 27
Using the built-in sound quality/sound field settings 27
Varying the sound quality with the manual equalizer (Manual EQ) 28
Varying the sound quality with the acoustic image (AI) equalizer (3D AI EQ) 29
Surround systems 30
Enjoying sound with 6CH DISCRETE INPUT For SC-EH750 32
To playback a Dolby Surround source with Dolby Pro Logic For SC-EH750 33
Enjoying sound with stereophonics (SUPER SURROUND) For SC-EH750 34
Using virtual Dolby surround For SC-EH550 34
Using the center focus effect For SC-EH750 ... 34
Using the virtual rear surround effect For SC-EH750 35
Using the multi rear surround effect For SC-EH750 35
Enjoying sound with simulated stereo 35
Using the seat position function 36
Concerning the display 36
To mute the volume 37

Recording operations

Before recording 37
Recording from compact discs For SC-EH750 38
Normal recording 38
One-touch editing 39
Recording from compact discs For SC-EH550 40
Normal recording 40
One-touch editing 41
Recording from radio broadcasts 42
Tape-to-tape recording 43

Timer operations

Using the timer 44
Setting the play timer 44
Setting the record timer 45
Using play/record timer 46
To use the sleep timer 46
Using two timers together 46

Reference

Using an external unit 47
Concerning CDs 48
Concerning cassette tapes 48
Suggestions for safety 48
Technical specifications 49
Troubleshooting guide 50
Maintenance 51

Caution for AC mains lead

(For United Kingdom)

("EB" area code model only)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⓐ or the BSI mark ⓚ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:
Blue: Neutral, Brown: Live.
As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.
The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

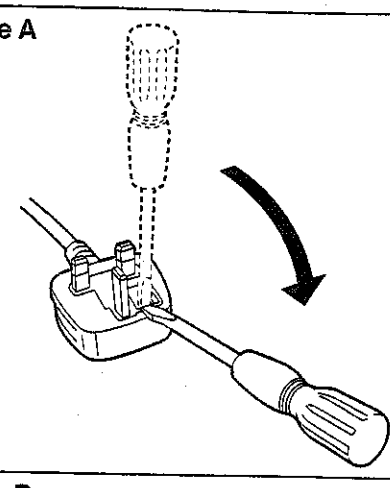
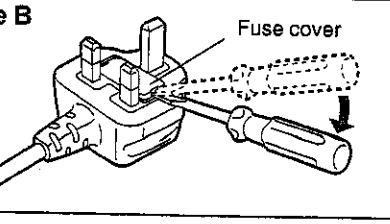


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

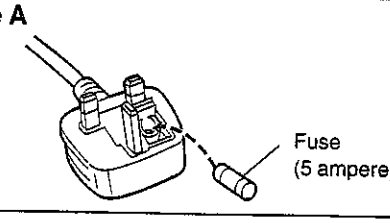
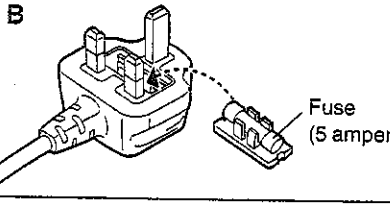
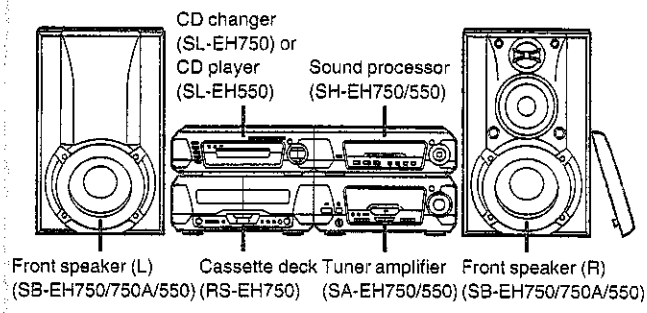


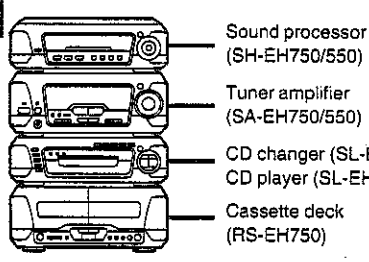
Figure B



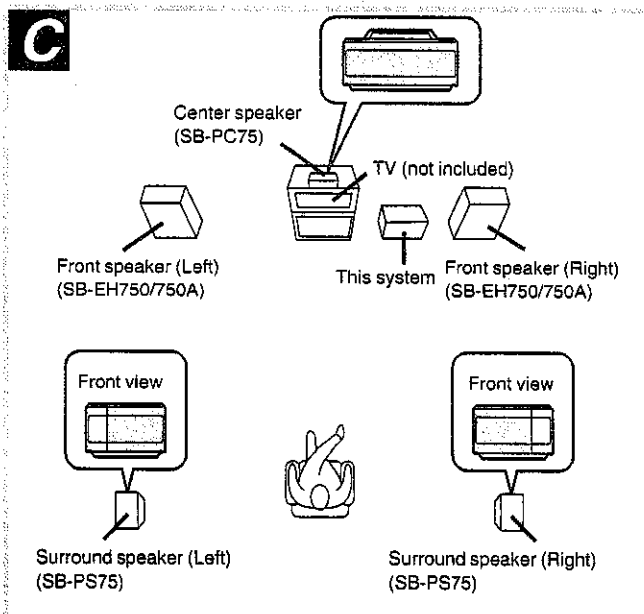
A



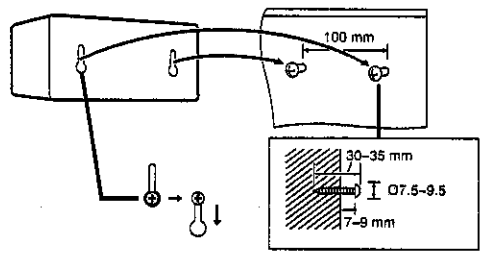
B



C



D



Locating the components

Side-by-side set-up A
Stacking B

Note
Left and right front speakers are exactly the same.

Placement of center/surround speakers C

SC-EH750 only

Center speaker

Place the center speaker above a TV, as close to it as possible.

Surround speakers

We recommend that surround speakers be placed on the side of or slightly behind the listener, and about one meter higher than ear level.
Place the speakers with the Technics logo facing toward the listening position.
However the position should be adjusted to your personal preference, because the effect varies to some degree depending upon the type of music and the music source.

For your reference
Even if you are forced to put your surround speakers on top of your front speakers, this unit still allows you to enjoy surround effects (⇒ page 35, "Using the virtual rear surround effect").

Attaching to a wall D
Set speaker onto screws and slide through bracket to lock into position.

Note
The wall or pillar on which the speaker systems are to be attached should be capable of supporting a weight of 5 kg.

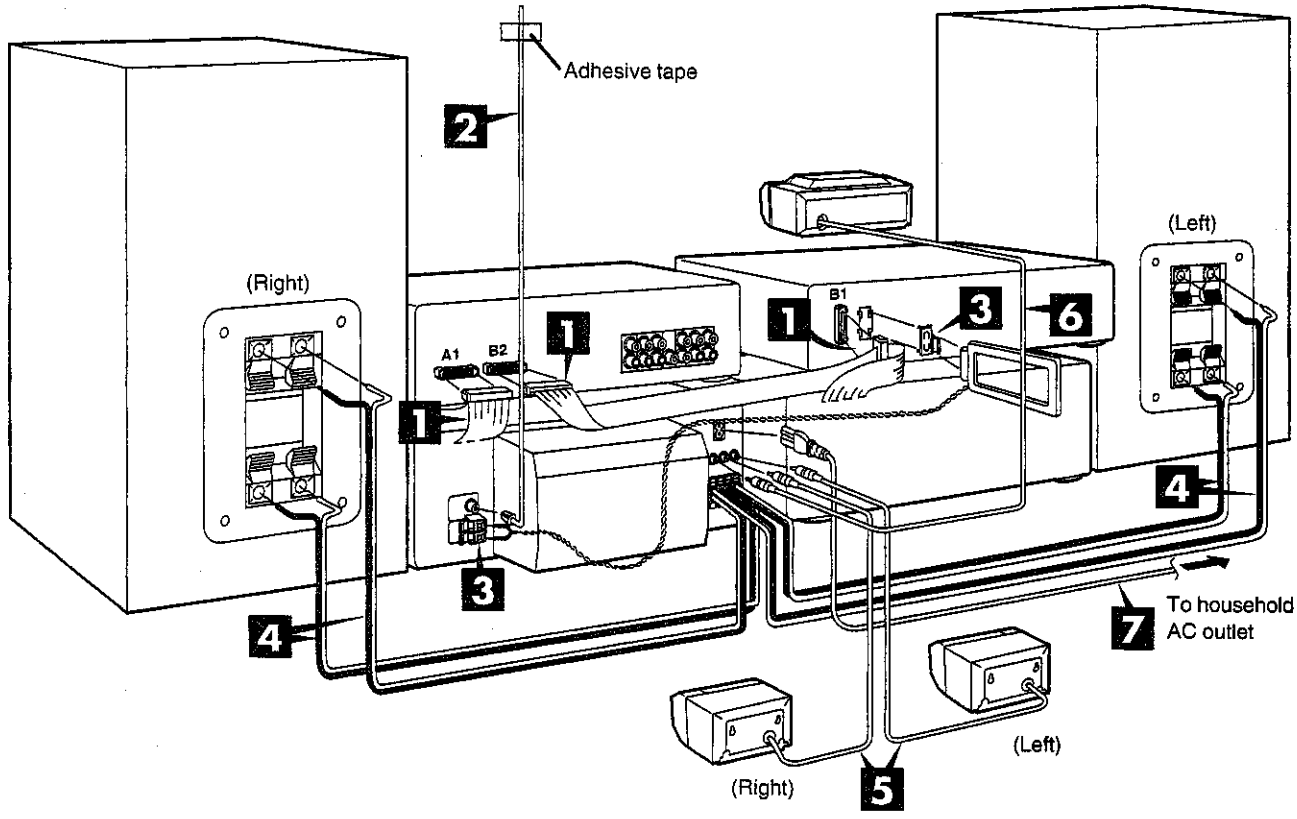
Caution
- **Use the speakers only with the recommended system. Failure to do so may lead to damage to the amplifier and/or the speakers, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.**
- **Do not attempt to attach these speakers to walls using methods other than those described in this manual.**

Note
The front and center speakers are made so they can be used in close proximity to the TV, but irregular coloring may result due to how the system is placed. If such distortion occurs, turn off the TV for between 15 and 30 minutes. The demagnetizing function of the TV will eliminate the distortion. If the irregular coloring is still visible, then move the speaker further away from the TV.

Connections

The illustrations show SC-EH750 for areas except Australia and N.Z. Connect the AC mains lead after you have connected all other cables.

To prepare the AM loop antenna wire and speaker cords, twist the vinyl cover tip and pull off.



1

To connect cables

Connector

White line

To unplug cables

Hold the connector from both ends and pull it out.

2

(For Australia and N.Z.)

Twist

FM ANT 75Ω

(For others)

FM ANT 75Ω

3

1

2

(For Australia and N.Z.)

(For others)

4

Tuner amplifier side

Red (+)

Black (−)

Blue (−)

Gray (+)

Speaker side
(For Australia and N.Z.)

Black or Blue (−)

Red or Gray (+)

(For others)

Gray (+)

Blue (−)

Red (+)

Black (−)

1 Connect the flat cables.

1. Connect the shorter flat cable from the tuner amplifier to terminal A1 on the sound processor.
2. Connect the longer flat cable from the cassette deck to terminals B1 and B2.

After connection:
Keep cables as flat against the back of the unit as possible.

2 Connect the FM indoor antenna.

Tape the antenna to a wall or column, in a position where radio signals are received with the least amount of interference.

3 Connect the AM loop antenna.

1. Attach the antenna holder to the rear panel of the CD changer or CD player.
   Then clamp the antenna into the antenna holder.
2. Connect the antenna terminal to the rear panel of the tuner amplifier.

Note

To minimize noise pickup, bundle the loop antenna cord using tape or the like to keep the flat cables away from the AM loop antenna cord.

4 Connect the right (R) and left (L) front speaker cables.

Connect each end of the speaker cables to the terminal lever of the same color.

Use only the supplied front speakers.

The combination of the main unit and front speakers provide the best sound. Using other front speakers can damage the unit and sound quality will be negatively effected.

Note

- To prevent damage to circuitry, never short-circuit positive (+) and negative (−) speaker wires.
- Be sure to connect only positive (red or gray) wires to positive (+) terminals and negative (black or blue) wires to negative (−) terminals.

5 SC-EH750 only
Connect the surround speaker cables.

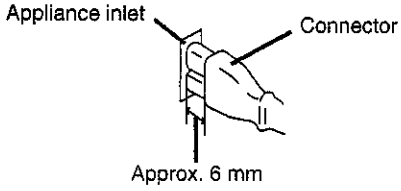
6 SC-EH750 only
Connect the center speaker cables.

(United Kingdom only)
BE SURE TO READ THE CAUTION FOR AC MAINS LEAD ON PAGE 4 BEFORE PROCEEDING TO STEP 7.

7 Connect the AC mains lead.

Insertion of Connector

Even when the connector is perfectly inserted, depending on the type of inlet used, the front part of the connector may jut out as shown in the drawing.
However there is no problem using the unit.

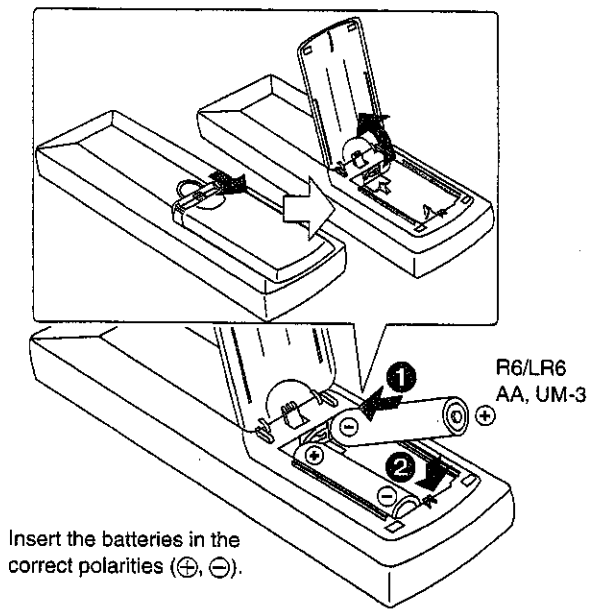


For your reference

Information you enter into the unit's memory, except for the time, remains intact for up to two weeks after the mains lead is disconnected.

Preparing the remote control

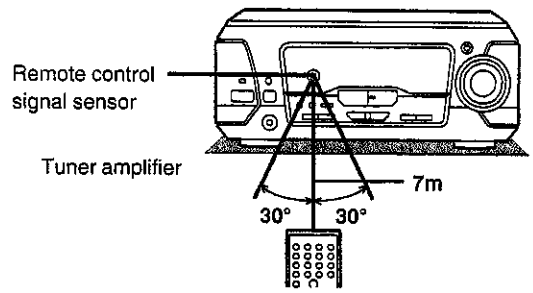
Battery installation



Insert the batteries in the correct polarities (⊕, ⊖).

- Do not mix old and new batteries, or batteries of different types (manganese and alkaline, etc.).
- Never subject batteries to excessive heat or flame; do not attempt to disassemble them; and be sure they are not short-circuited.
- If the remote control is not to be used for a long period of time, remove the batteries and store them in a cool, dark place.
- Do not attempt to recharge alkaline or manganese batteries.
- Do not use rechargeable type batteries.

Correct method of use

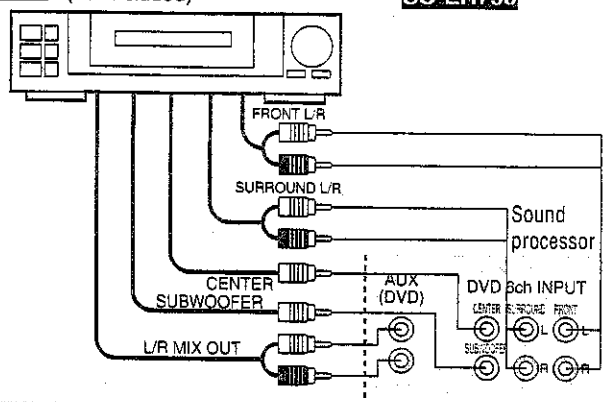


- Aim the remote control's transmission window toward the unit's sensor. Avoid any obstacles.
- Be sure the transmission window and the unit's sensor are free from dust. Excessive dust might affect its performance.
- This unit may not operate correctly if direct sunlight or another strong light source strikes the receiving sensor of this unit. If there is a problem, place the unit away from the light source.
- Never place heavy items on top of the unit.
- Do not disassemble or reconstruct the unit.
- Do not spill water or other liquids into the unit.

A

DVD Player with 5.1 ch output (not included)

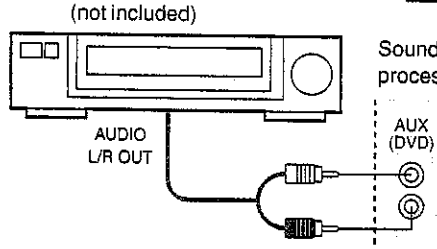
SC-EH750



B

Laser disc player/DVD player (without 5.1 ch OUT), etc. (not included)

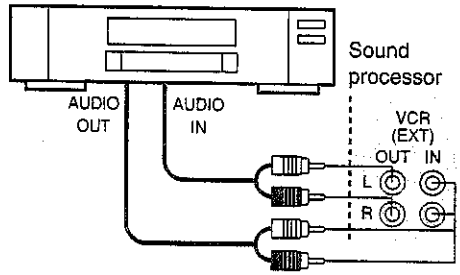
SC-EH750



C

Video cassette recorder (not included)

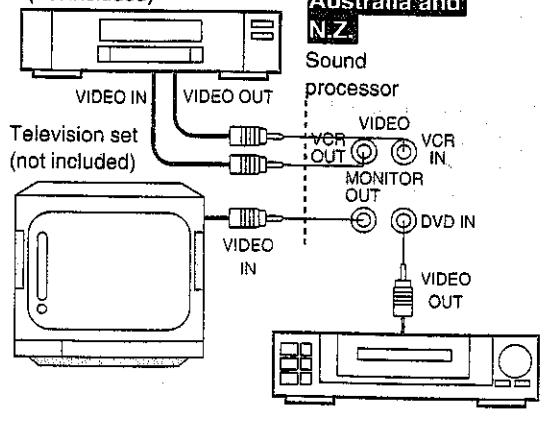
SC-EH750



D

Video cassette recorder (not included)

SC-EH750 for Australia and N.Z.

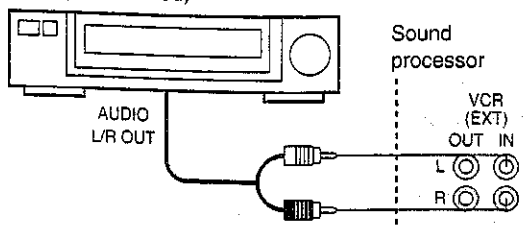


Laser disc player/DVD player (not included)

E

Laser disc player/ DVD player, etc. (not included)

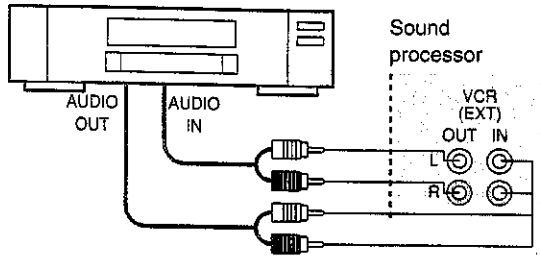
SC-EH550

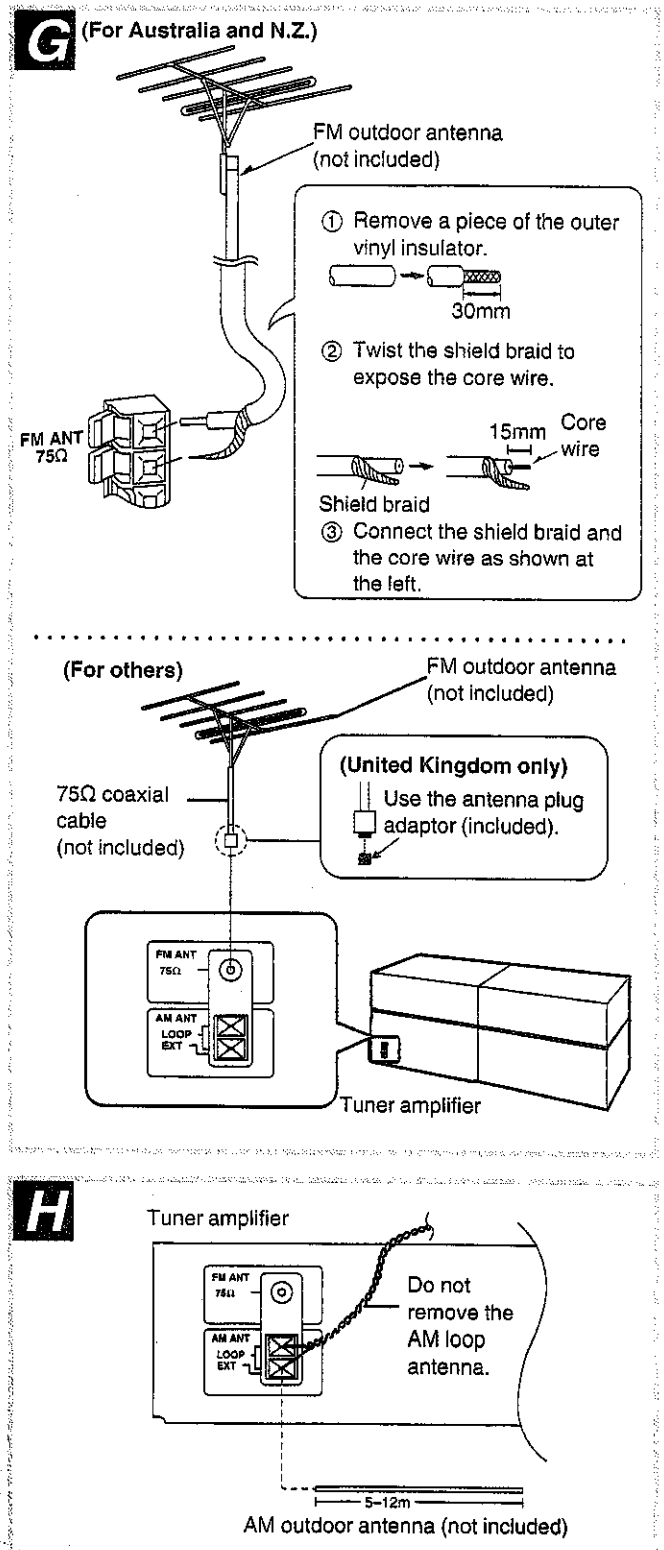


F

Video cassette recorder (not included)

SC-EH550





External unit connections

- Make sure that the power supply for all components has been turned off before making any connections.
- For details, refer to the operating instructions of the units which are to be connected.
- All peripheral components and cables sold separately.

Stereo connection cable (not included)
White (L)
Red (R)
Video connection cable (not included)

Connecting the SC-EH750

A DVD player with 5.1 ch output

This unit has the input terminals for 5.1 channel surround systems but it does not have the decoders necessary to play them back. The DVD player should have these decoders and 5.1 channel output.
The front speakers have subwoofers, but it is possible to connect another subwoofer (not included) to the SUBWOOFER OUT terminal on the back of the sound processor to further enhance the surround experience available with 5.1 channel input.

B Laser disc player/DVD player (without 5.1 ch OUT), etc.

This unit has Dolby Pro Logic circuitry. If the audio output of video equipment is connected to the AUX terminal of this unit, the sound will be reproduced with the same powerful stereophonic effects found in movie theaters.

C Video cassette recorder

You can enjoy only sound of the video cassette recorder.

D Television set (For Australia and N.Z. only)

By connecting the video cord as shown in the illustration, it is possible to control both audio and video from this unit.

Connecting the SC-EH550

E Laser disc player/DVD player etc.

F Video cassette recorder

You can enjoy only sound of the video cassette recorder.

Optional antenna connections

You may need an outdoor antenna if you use this system in a mountainous region or inside a reinforced-concrete building, etc.

FM outdoor antenna (not included) G

Note
An outdoor antenna should be installed by a qualified technician only.

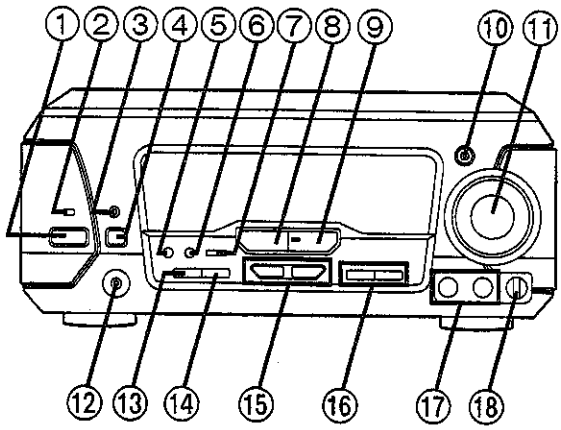
AM outdoor antenna (not included) H

Connect the outdoor antenna without removing the AM loop antenna. Run 5 to 12 m of vinyl-covered wire horizontally along a window or other convenient location.

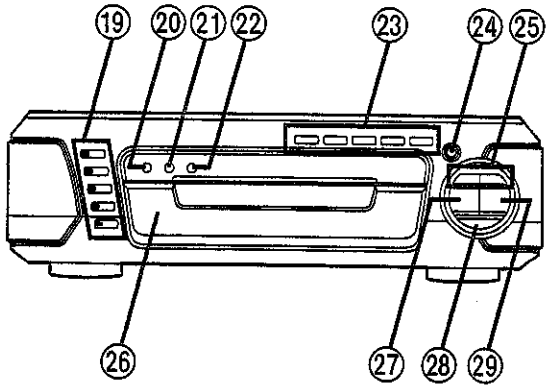
Note
When the unit is not in use, disconnect the outdoor antenna to prevent possible damage that may be caused by lightning. Never use an outdoor antenna during an electrical storm.

Front panel controls

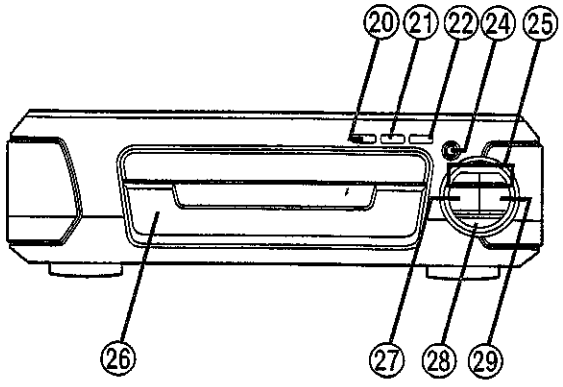
A



B SC-EH750



SC-EH550



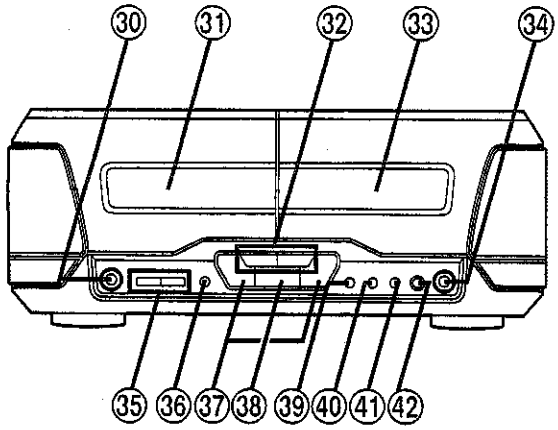
Tuner amplifier section A

① **Standby/on switch (⏻/I)** 13
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
② **Standby indicator (⏻)**
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.
③ **Play timer/record timer button and indicator (⏲ PLAY/⏲ REC)** 44, 45
④ **ECO mode button (ECO)** 13
⑤ **Clock/timer, demo button (CLOCK/TIMER, –DEMO)** 12, 13, 44, 45
⑥ **FM mode select button (FM AUTO/MONO)** 15
⑦ SC-EH750
6ch discrete input button (6CH DISCRETE INPUT) 32
⑧ **Source input select button (INPUT SELECTOR)** 47
⑨ **Tuner/band select button and indicator (TUNER/BAND)** 14
⑩ **Super woofer button and indicator (S.WOOFER)** 27
⑪ **Volume control (VOLUME)** 15
⑫ **Headphones jack (PHONES)** 47
⑬ **Tuning mode select button (TUNING MODE)** 14
⑭ **Set button (SET)** 13
⑮ **Tuning buttons (∨, ∧ TUNING)** 13, 14
⑯ SC-EH750 for areas except Australia and N.Z.
RDS display mode select buttons (RDS PS–DISP MODE–PTY) 16
⑯ **(For Australia and N.Z. only)**
KARAOKE and echo buttons (KARAOKE, ECHO) 26
⑰ **(For Australia and N.Z. only)**
Microphone jacks (MIC, 1, 2) 26
⑱ **(For Australia and N.Z. only)**
Microphone volume control (MIC VOL) 26

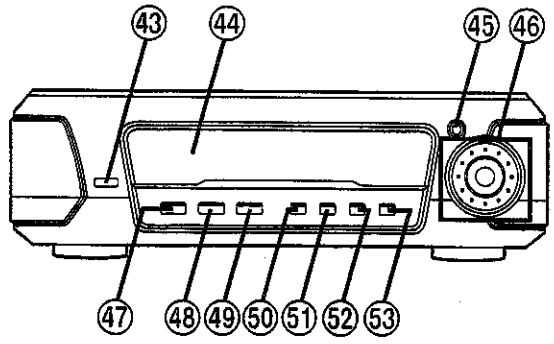
CD changer/CD player section B

⑲ SC-EH750
Disc select buttons and indicators (DISC, 1–5) 18
Green: Indicates that the tray is ready to play its CD or to be opened.
⑳ **Random play button (RANDOM)** 19, 22
㉑ **Repeat button (REPEAT)** 19, 22
㉒ **CD edit button (EDIT)** 39, 41
㉓ SC-EH750
Disc direct open buttons (DIRECT OPEN, DISC 1– DISC 5) 17
㉔ **Disc tray open/close button (⏏ OPEN/CLOSE)** 17, 21
㉕ **Skip/search buttons (⏮/◀◀, ▶▶/⏭)** 18, 21
㉖ **Disc tray** 17, 21
㉗ **Stop button (■)** 18, 21
㉘ **Pause button (❚❚)** 18, 21
㉙ **Play button and indicator (▷)** 18, 21
The color of the indicator depends on the operation.
If stopped: orange
If playing: green
If paused: flashes

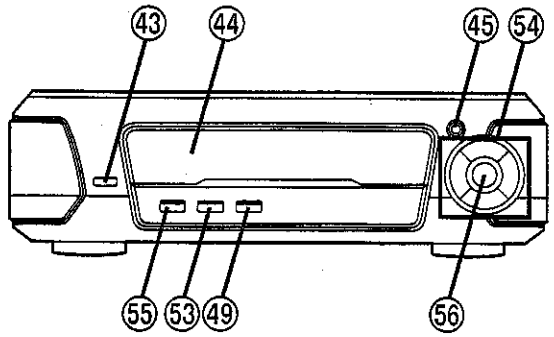
A



B SC-EH750



SC-EH550



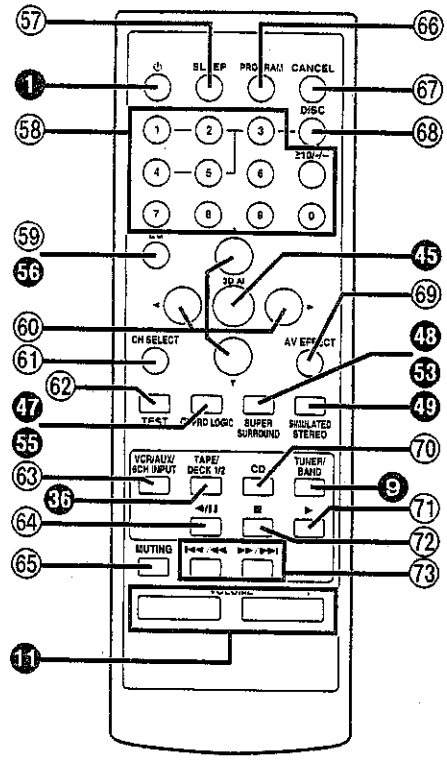
Cassette deck section A

㉚ Deck 1 cassette holder open button (▲ OPEN) 24
㉛ Deck 1 cassette holder
㉜ Fast forward/rewind buttons (◀◀, ▶▶) 25
㉝ Deck 2 cassette holder
㉞ Deck 2 cassette holder open button (▲ OPEN) 24
㉟ Counter reset, display buttons
(COUNTER, RESET, DISPLAY) 25
㊱ Deck 1/deck 2 select button (DECK 1/2) 24
㊲ Playback buttons and indicators (◁, ▷) 24
The color of the indicators depends on the operation taking place.
If stopped, fast forwarding or rewinding: orange
If playing or recording: green
While carrying out TPS or recording is on standby: flashes green
㊳ Stop button (■) 24
㊴ Dolby noise reduction button (DOLBY NR) 24
㊵ Reverse mode select button (REV MODE) 24
㊶ Tape edit button (TAPE EDIT) 43
㊷ Record pause button (● REC PAUSE) 38, 40

Sound processor section B

㊸ Display mode select button (DISPLAY MODE) 36
㊹ Display
㊺ 3D AI EQ button (3D AI EQ) 29
㊻ SC-EH750
Jog control and joy stick (MULTI JOG) 27
㊼ SC-EH750
DOLBY PRO LOGIC on/off button
(□□ PRO LOGIC, OFF/ON) 33
㊽ SC-EH750
Super surround button and indicator
(SUPER SURROUND) 34
㊾ Simulated stereo on/off button and indicator
(SIMULATED STEREO) 35
㊿ SC-EH750
Center focus button and indicator (CENTER FOCUS) ... 34
(51) SC-EH750
Virtual rear surround button and indicator
(VIRTUAL REAR SURROUND) 35
(52) SC-EH750
Multi rear surround button and indicator
(MULTI REAR SURROUND) 35
(53) Seat position button and indicator
(SEAT POSITION) 36
(54) SC-EH550
Multi control buttons (▶, ▲, ◀, ▼ MULTI CONTROL) ... 28
(55) SC-EH550
Virtual dolby surround on/off button and indicator
(VIRTUAL DOLBY SURROUND) 34
(56) SC-EH550
EQ select button (EQ) 27

A

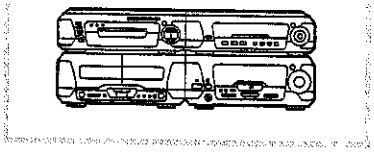


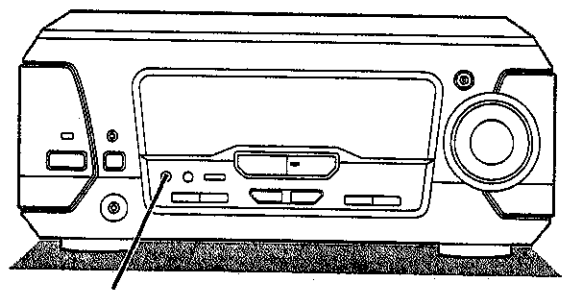
Remote control A

Buttons as ❶ function in exactly same way as the buttons on the main unit.

⑤⑦ Sleep timer button (SLEEP) 46
⑤⑧ Numeric buttons (1–9, 0, ≥10/-/--) 15, 19, 20, 22, 23
⑤⑨ SC-EH750
EQ select button (EQ) 27
⑥⓪ Cursol buttons (◀, ▲, ▶, ▼) 32
⑥① SC-EH750
Channel select button (CH SELECT) 32
⑥② SC-EH750
Test button (TEST) 33
⑥③ SC-EH750
Input selection buttons (VCR/AUX/6CH INPUT) 47
SC-EH550
VCR select button (VCR) 47
⑥④ Tape reverse playback/CD pause button (◀/❚❚) 18, 21, 24
⑥⑤ Muting button (MUTING) 37
⑥⑥ Program button (PROGRAM) 20, 23
⑥⑦ Cancel button (CANCEL) 20, 23
⑥⑧ SC-EH750
Disc select button (DISC) 19
⑥⑨ SC-EH750
AV effect button (AV EFFECT) 34, 35, 36
⑦⓪ CD button (CD) 19, 22
⑦① CD play/tape forward playback button (▶) 18, 21, 24
⑦② CD/tape stop button (■) 18, 21, 24
⑦③ CD skip/search, tape fast forward/rewind buttons (⏮/◀◀, ▶▶/⏭) 18, 21, 25

B





Turning the demo function off (DEMO) B

If the clock has not been set, a demonstration of the display is shown when the unit is off.
This function is set to on at the time of purchase.

To get the most from the ECO mode (➡ page 13), turn the demo function off.

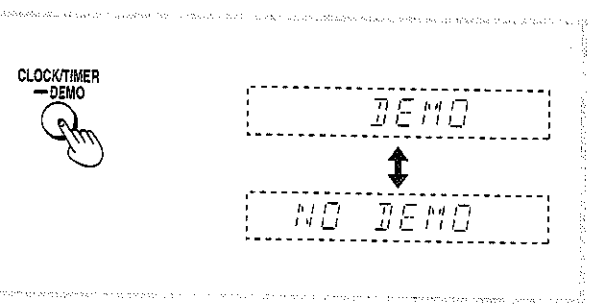
Press and hold [CLOCK/TIMER, –DEMO] until "NO DEMO" is displayed.

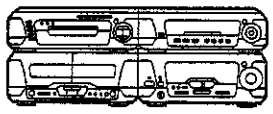
Every time you press and hold the button;

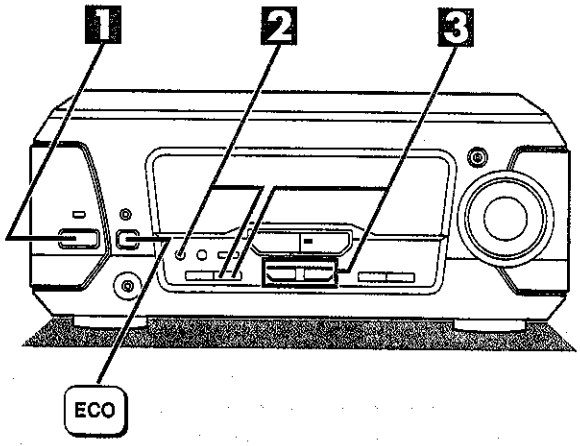
NO DEMO (off)⇄DEMO (on)

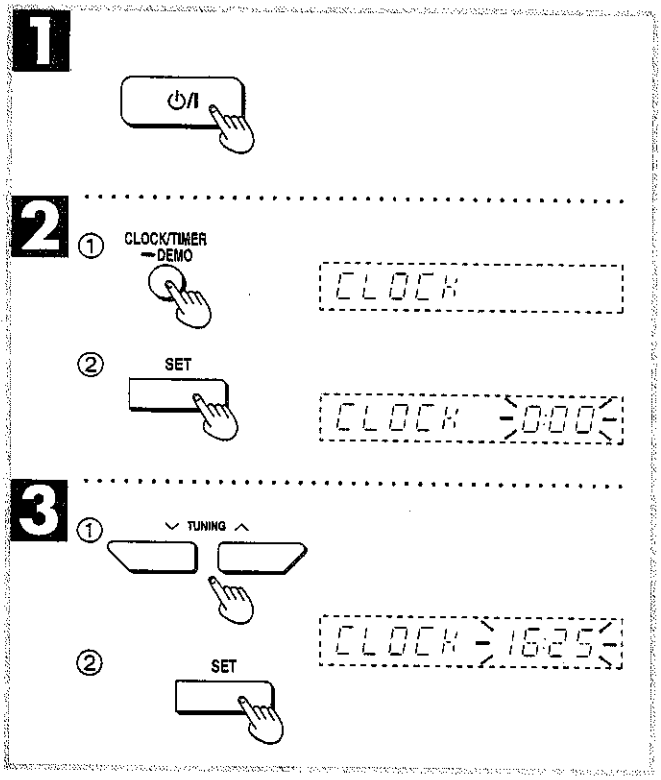
Note

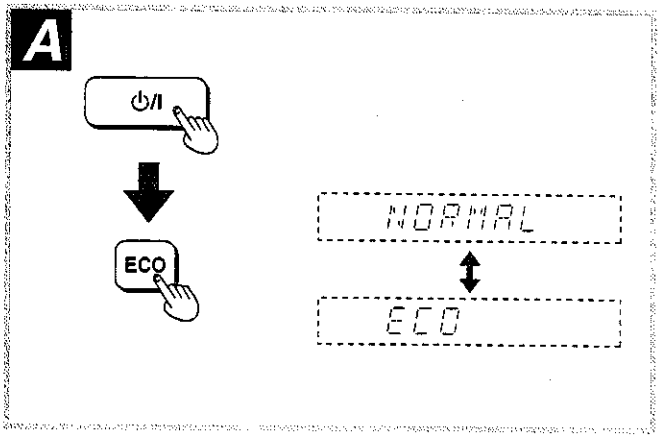
Once the clock has been set the demo cannot be turned on when the unit is off.











Setting the time

This is a 24-hour display clock.

The figure shows how to set the time for 16:25.

1 Press [⏻/I] to turn the unit on.

2 ① Press [CLOCK/TIMER, –DEMO] to show "CLOCK".

Every time you press the button:
CLOCK→⏲ PLAY→⏲ REC→Original display

Within 5 seconds:

② Press [SET].

3 ① Press [TUNING (∨ or ∧)] to set the present time on the display.

The time display can be changed in one minute units by tapping the buttons, and quickly by holding down the buttons.

② Press [SET].

The display will return to the previous display after about 3 seconds.

To display the clock:

Press [CLOCK/TIMER, –DEMO].
The time is shown for about five seconds.
The time is shown constantly when the unit and ECO mode are off.

ECO mode A

When this mode is used the power consumed when the unit is switched to standby mode reduces from a maximum of 11 W to 0.6 W

This mode is set to on at the time of purchase.

	NORMAL (off)	ECO (on)
Display	Clock display, etc.	Blank
Power consumption in standby mode	11 W	0.6 W

The demonstration is shown if DEMO is on, regardless of the condition of the ECO mode. Turn DEMO off if ECO is used.

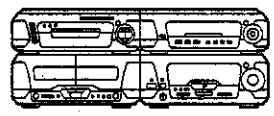
Turning ECO on and off:

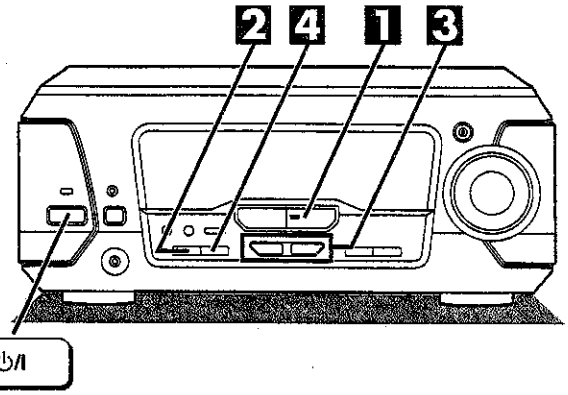
Press [⏻/I] to turn the unit on.
Press [ECO].

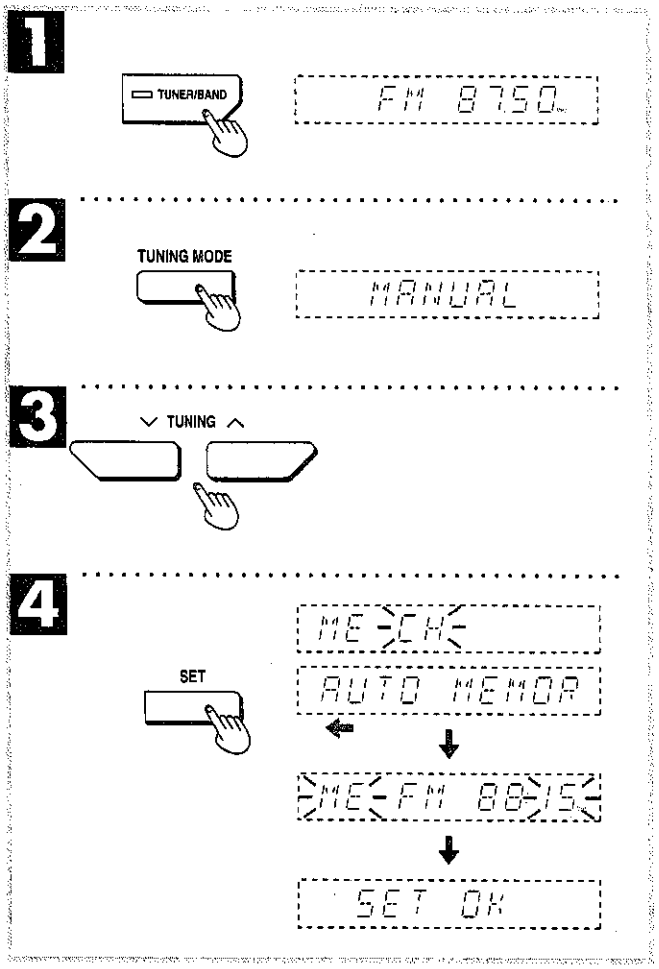
The current ECO mode is displayed. Press again to change the mode.
The display changes each time the button is pressed:
NORMAL (off)⇄ECO (on)
When ECO is on:
When the power is switched off, standby indicator lights, but the display panel remains blank.

Note

When the unit is off, the mode can be switched from NORMAL to ECO, but not the other way.







Memory presetting

- Once stations have been preset, you can easily select them from the tuner amplifier or the remote control.
- The frequencies are automatically preset (in sequence from lower to higher frequencies) into the memory: "channels" 1 to 39 are available for the presetting of FM stations and "channels" 21 to 39 are available for AM stations.

This example shows how to preset FM stations.

Preparation:
Press [⏻/I] to turn the unit on.

1 Press [TUNER/BAND] to select the desired band.
Each time you press this button; FM⟷AM

2 Press [TUNING MODE] to select "MANUAL".
Each time you press this button; MANUAL⟷PRESET

3 Press and hold [TUNING (∨ or ∧)] until the display shows the frequency from which you want to begin automatic memory presetting.
Press [TUNING (∨ or ∧)] momentarily to stop scrolling when the displayed frequency approaches the desired frequency. Tap [TUNING (∨ or ∧)] a few times until the desired frequency is reached.

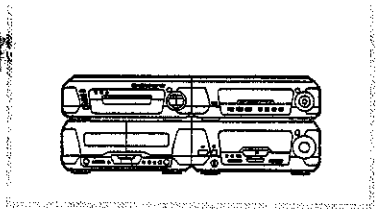
4 Hold down [SET].
Release your finger when the words "AUTO MEMORY" scroll across the display.

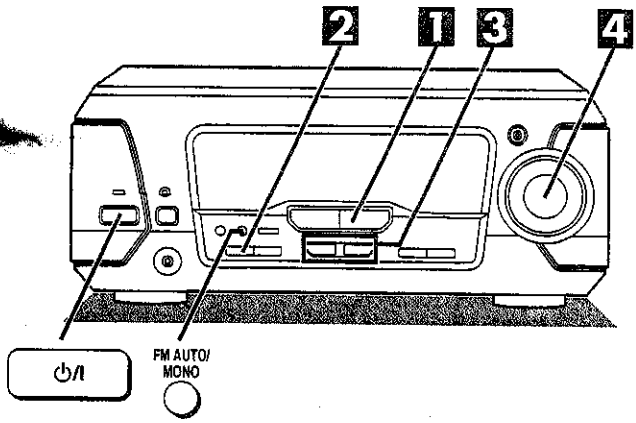
If the above is not possible because radio signals are weak or for some other reason ("ERROR" appears), do the following.

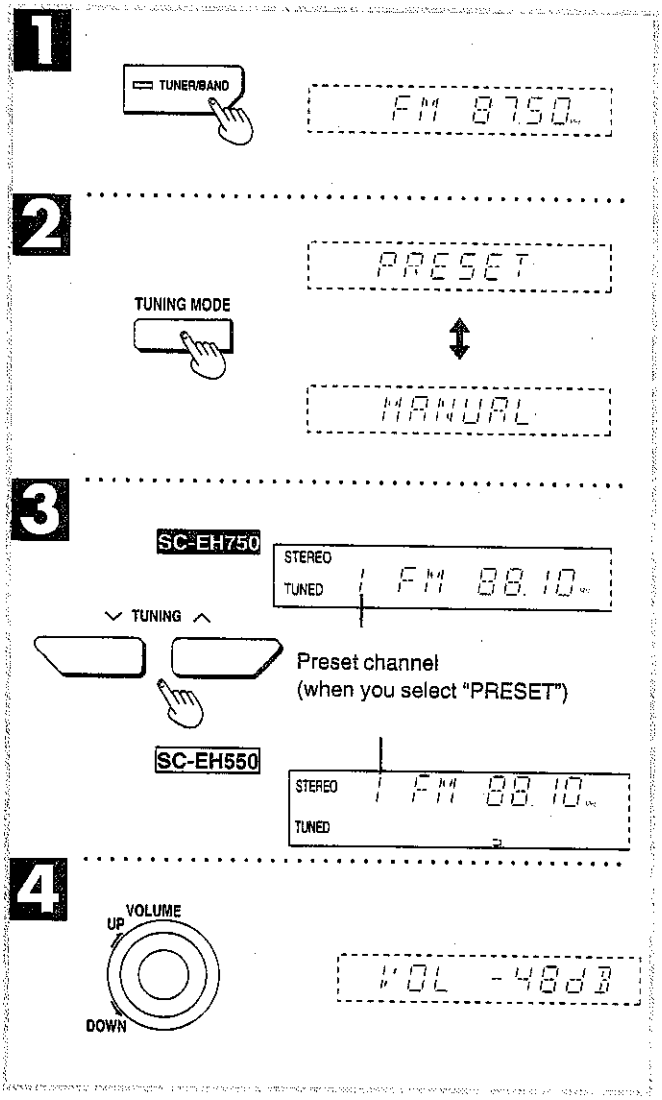
Presetting only your favorite stations

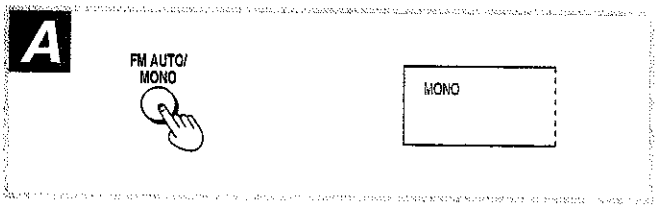
Preset the stations one at a time.
① Press [TUNER/BAND] to select the desired band.
② Press [TUNING MODE] to select "MANUAL".
③ Press [TUNING (∨ or ∧)] to tune in the desired broadcast.
④ Press [SET].
⑤ Press [TUNING (∨ or ∧)] to select the desired preset channel.
⑥ Press [SET].

Note
When you preset a broadcast station to a channel that has already been preset, the previous presetting will be erased. So if, for example, FM frequencies are preset from channel 1 to 39 and then AM frequencies are preset, the first AM frequency will be preset to channel 21 (thus erasing the FM presetting to channel 21), the seconds AM frequency will be preset to 22 (erasing FM 22), and so on.









Listening to radio broadcasts

This example shows how to tune in FM stations.

Preparation:
Press [⏻/I] to turn the unit on.

1 Press [TUNER/BAND] to select the desired band.
Each time you press this button; FM⟷AM

2 Press [TUNING MODE] to select "PRESET" or "MANUAL".
Each time you press this button; MANUAL⟷PRESET
- Select "PRESET" when stations are preset (➡ page 14).
- Select "MANUAL" when stations are not preset.

3 Press [TUNING (∨ or ∧)] to tune in the desired broadcast.
"STEREO" lights when an FM stereo broadcast is being received.
"TUNED" lights when you precisely tune in a broadcast station.

Automatic scanning (when you select "MANUAL" in step 2):
Press and hold [TUNING (∨ or ∧)] until the displayed frequency starts to scroll.
- The scrolling of the displayed frequency will automatically stop if a broadcast station frequency is located during the tuning process.
- When there is excessive interference, automatic scanning may not function.

To cancel automatic scanning, press [TUNING (∨ or ∧)] once again.

4 Adjust the volume.

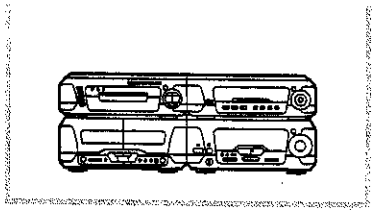
For tuning by remote control (when you select "PRESET" in step 2 above):
Specify the channel you want with the numeric buttons (➡ page 12).
To select a two-digit channel:
Press [≥10/-/--] and then the two numbers you want within 10 seconds or so.

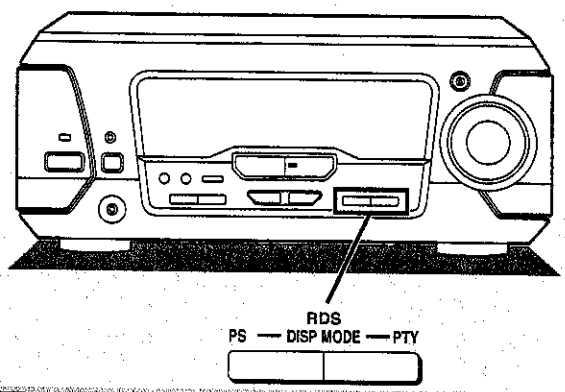
If noise is excessive in the FM stereo mode: A

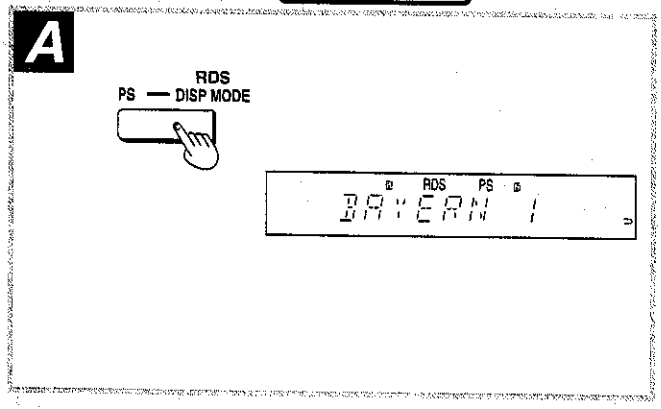
Press [FM AUTO/MONO].
The sound reception mode switches to "MONO" (monaural) and "MONO" lights.
The sound will then be heard in monaural. If the broadcast signal is weak, or if there is a large amount of interference, you will get a clearer sound.
To cancel the "MONO" mode, press the button again.

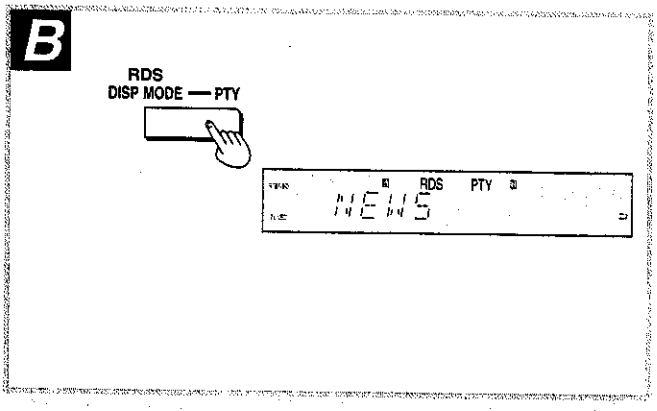
When "MONO" indicator goes off:
Use this setting for normal listening. Both stereo and monaural sounds can be heard as they are.

Note
- "MONO" is canceled when the frequency is changed.
- Stations can be preset in monaural. Carry out presetting manually (➡ page 14).









Enjoying RDS broadcasts

SC-EH750 for areas except Australia and N.Z.

This unit lets you take advantage of the Radio Data System (RDS) in areas where RDS broadcast services are received. This advanced system provides useful information, utilizing a 57 kHz subcarrier above the audible range, in addition to the main FM signal.

If the station you are listening to is transmitting RDS signals, "RDS" will light up on the display.

Station display (PS display)

The name of the station is displayed when PS signals are received.

To display the name of a broadcasting station A
(When the FM station is received)
Press [PS-DISP MODE].
Each time you press the button; Frequency display⟷PS display

For your reference
If the PS display isn't shown
Press and hold [PS-DISP MODE] for about 4 seconds.
The mode switches every time the button is pressed and held;
MODE 1⟷MODE 2

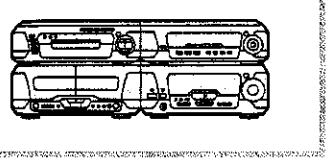
Display by particular type of program (PTY)

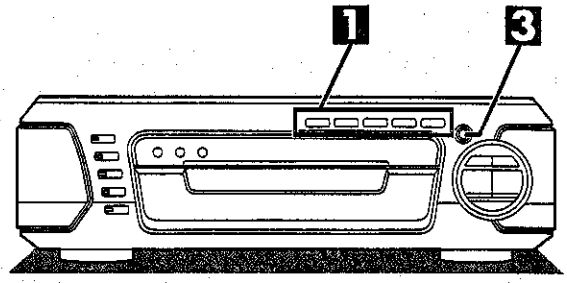
There are 31 displays to represent different types of programs. (See below)

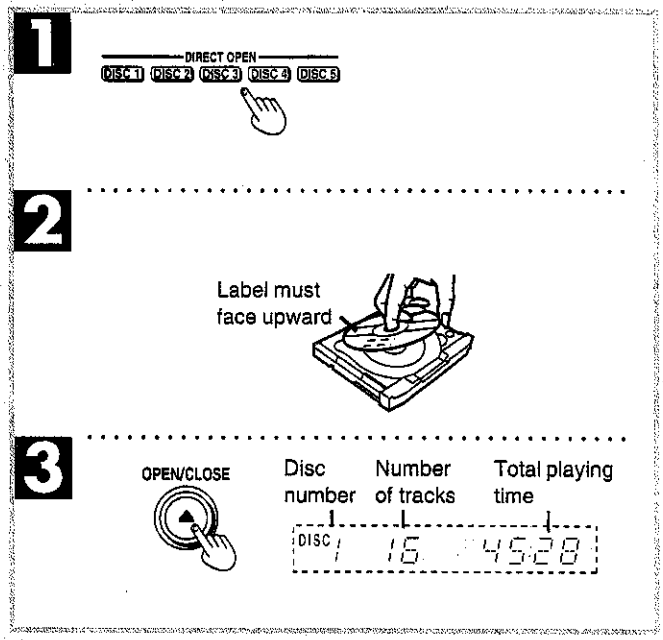
To display the type of a program B
(When the FM station is received)
Press [DISP MODE-PTY].
Each time you press the button; Frequency display⟷PTY display

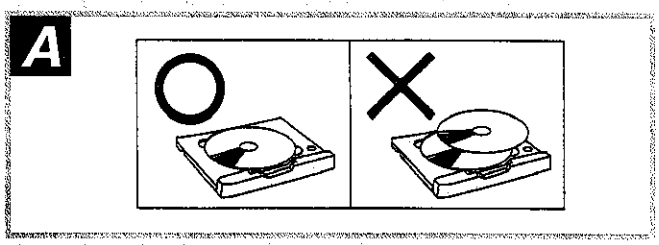
NEWS (News)
AFFAIRS (Current Affairs)
INFO (Information)
SPORT (Sport)
EDUCATE (Education)
DRAMA (Drama)
CULTURE (Culture)
SCIENCE (Science)
VARIED (Varied)
POP M (Pop music)
ROCK M (Rock music)
M.O.R M (Middle of road music)
LIGHT M (Light classical music)
CLASSICS (Serious classical music)
OTHER M (Other music)
WEATHER (Weather)
FINANCE (Finance)
CHILDREN (Children's programmes)
SOCIAL A (Social Affairs)
RELIGION (Religion)
PHONE IN (Phone in)
TRAVEL (Travel)
LEISURE (Leisure)
JAZZ (Jazz)
COUNTRY (Country music)
NATIONAL (National music)
OLDIES (Oldies music)
FOLK M (Folk music)
DOCUMENT (Documentary)
TEST (Alarm test)
ALARM (Alarm)

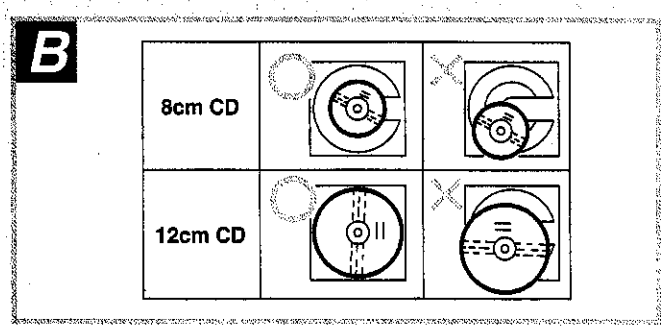
Note
RDS display may not be possible if reception is poor.

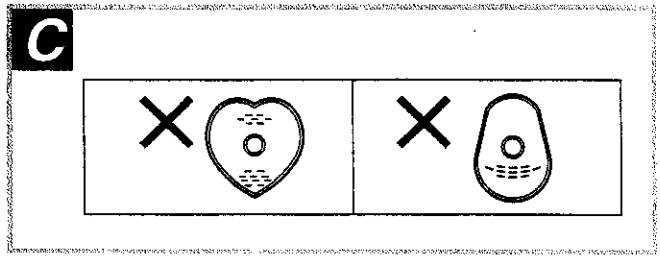












Listening to compact discs

For SC-EH750

Always stop the changer before loading or changing CDs. You cannot change CDs while a disc is playing.

How to load CDs

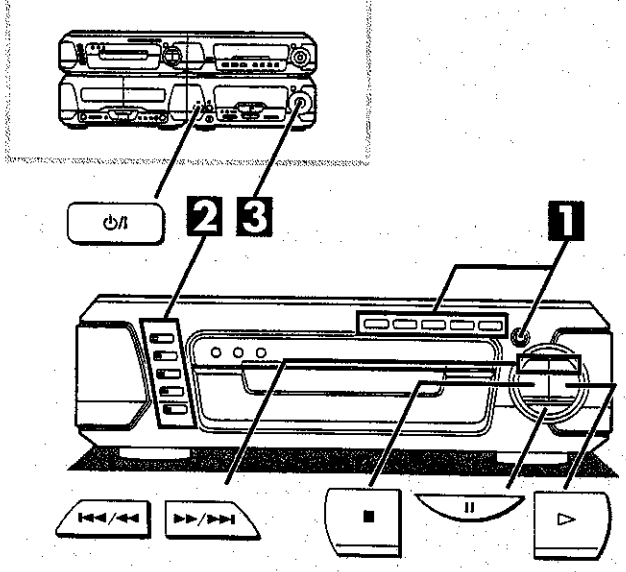
1 Press [DISC 1]–[DISC 5], whichever you want to open.

2 Set the CD in the tray.
Repeat steps 1 and 2 to load the other trays.

3 Press [▲ OPEN/CLOSE].
The tray will close and the disc No., number of tracks and total playing time will be shown on the display.

To prevent damage

Always observe the following points.
- Load only 1 CD per tray. A
- Load CDs as shown in figure B.
  An adapter is not needed with 8 cm CDs (singles).
- Set the system on a flat, level surface.
  Do not set it on top of magazines, inclined surfaces, etc.
- Do not move the system while trays are opening/closing, or when loaded.
  Always unload all trays before moving the system.
- Do not put anything except CDs in trays.
- Do not use cleaning CDs or CDs which are badly warped or cracked.
- Do not use CDs with poorly attached labels or stickers. Adhesive protruding from underneath stickers or left over from peeled off stickers can cause the system to malfunction.
- Do not use irregular shaped CDs. C



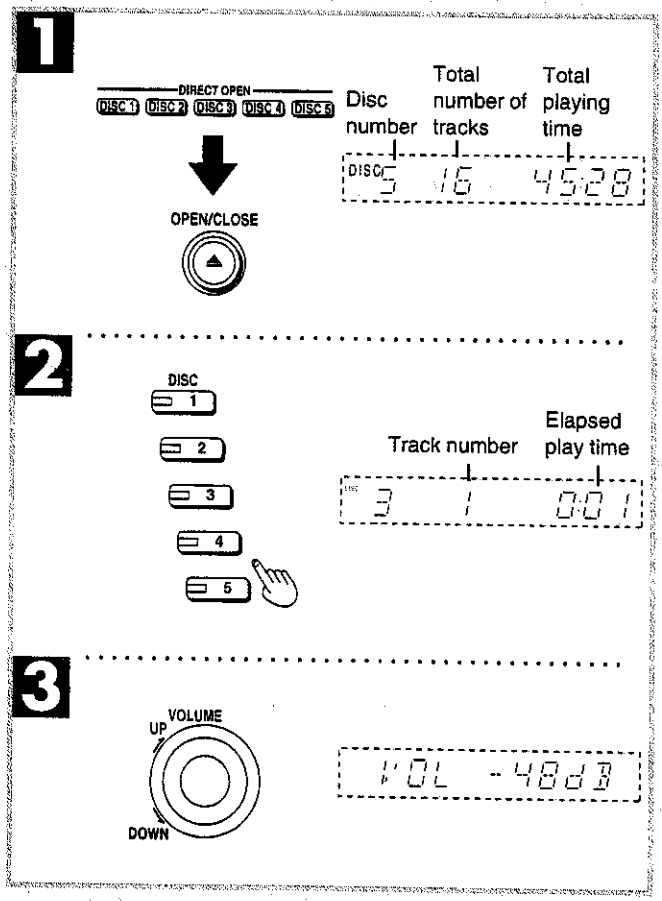
Sequential play

Preparation:
Press [⏻/I] to turn the unit on.

1 Insert CDs in the trays. (➡ page 17.)
When the "CD" input source is selected, disc number, total number of tracks, and total playing time will appear on the display.

2 Press [1]–[5] to select the disc you want.
(If the desired CD is indicated on the display panel the same operation can be accomplished by pressing [▷].)
Play will start from the first track on the disc shown on the display, and will continue until the last track of the final disc (see below).

3 Adjust the volume.



To stop the disc:
Press [■].

To temporarily stop the disc:
Press [II]. The play indicator flashes green.
To play again, press [▷].

Skipping tracks backward and forward:
Press [⏮/◀◀] to skip backward. Press [▶▶/⏭] to skip forward.

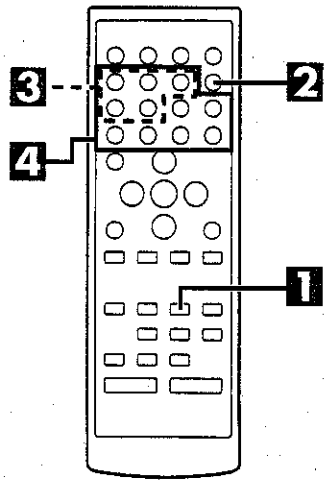
Searching through tracks during play:
Press and hold [⏮/◀◀] to search backward. Press and hold [▶▶/⏭] to search forward.

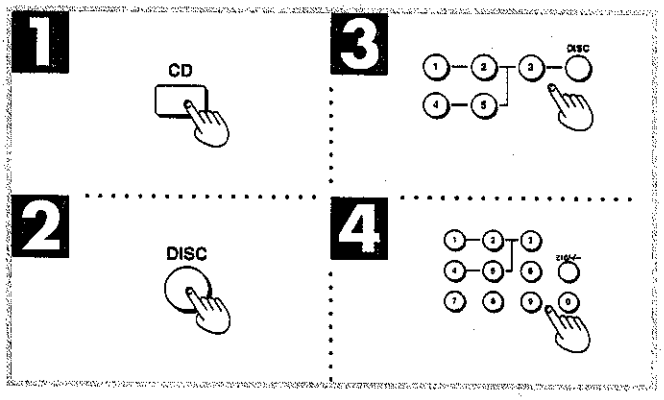
What is meant by "final disc"?:
For example, if play starts from disc 4, disc 3 will be the "final disc".
Order of progression:
Disc 4→5→1→2→3

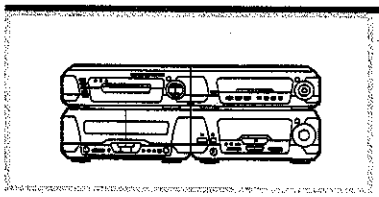
When "NO DISC" display appears:
It indicates that a CD has not been installed.

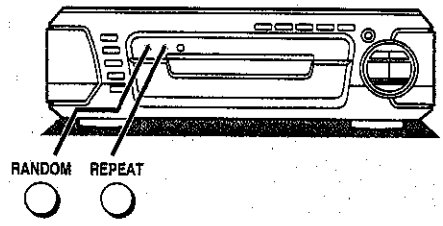
For your reference:
If you press [▷] instead of [▲ OPEN/CLOSE] after inserting a CD, the tray will close and play will start directly from the track 1.

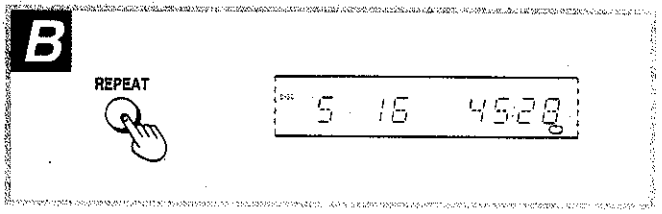
Note
- During random play (➡ page 19), you cannot skip to tracks which have already been played.
- During program play (➡ page 20) or random play, you cannot search-forward/backward over tracks.
- During program play, skipping is in always in the programmed order, whether forward or backward.

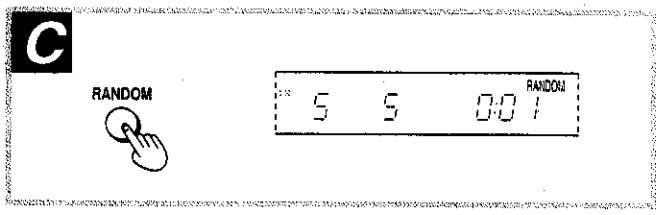












Direct access play A

Direct access allows you to start sequential play from a specific track to the last track of the final disc. (➡ page 18)

by remote control only

1 Press [CD].

2 Press [DISC].

3 (within 10 seconds or so)
Press [1]–[5], whichever disc you want.

4 Press the numeric button(s) to select the desired track number.

To select a two-digit track:
Press [≥10/-/--] and then the two numbers you want within 10 seconds or so.

Repeat play B

This function repeats the play of all tracks of all discs.

Press [REPEAT] before or during play.

To cancel repeat play:
Press [REPEAT] once again.

To repeat only your favorite track(s)
1. Program the track(s) you want (➡ page 20).
2. Press [REPEAT] and make sure " ↻ " is displayed.
3. Press [▷]. Play will start.

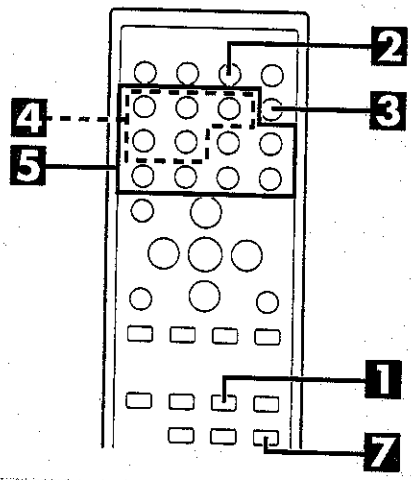
Random play C

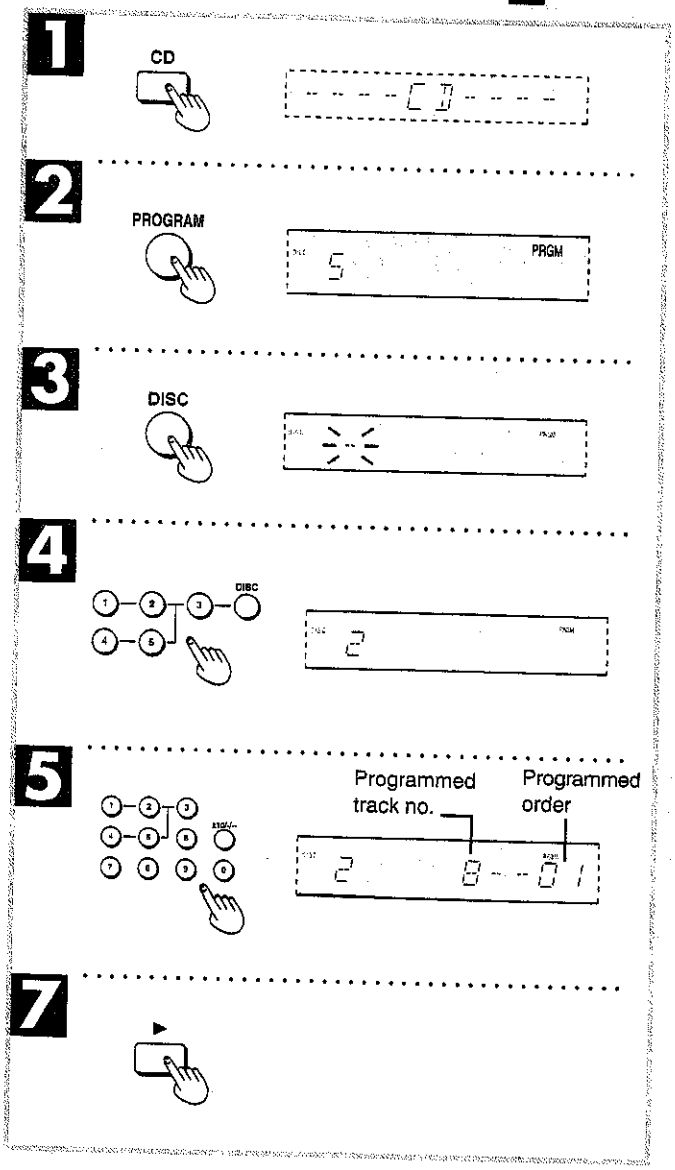
This function automatically selects a sequence of tracks to be played in random order.

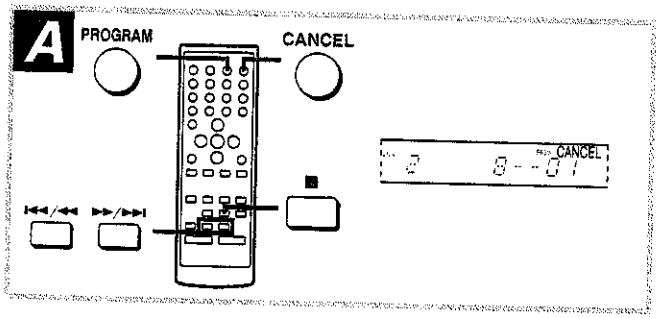
Press [RANDOM].
Random play will start.
Play will stop automatically when all tracks on all of the discs finish playing randomly.

To cancel random play:
Press [RANDOM] once again.

For your reference:
In the program play mode (➡ page 20), the programmed tracks will be played randomly.







Listening to compact discs For SC-EH750

Program play

by remote control only

This function allows you to program up to 24 tracks.

1 Press [CD].

2 Press [PROGRAM].

3 Press [DISC].

4 (within 10 seconds or so)
Press [1]–[5] whichever disc you want.

5 Press the numeric button(s) to select the track you want to play in the desired sequence.

To select a two-digit track:
Press [≥10/-/--] and then the two numbers you want.

6 Repeat steps 3 through 5 until you have programmed all the tracks you want.

7 Press [▶].
Play will start in the programmed sequence.
Play will stop automatically when all the programmed tracks have been played.

To cancel program play mode:
Press [PROGRAM].
"CLEAR" will appear on the display for approximately 1 second and all the programmed tracks will be cancelled.

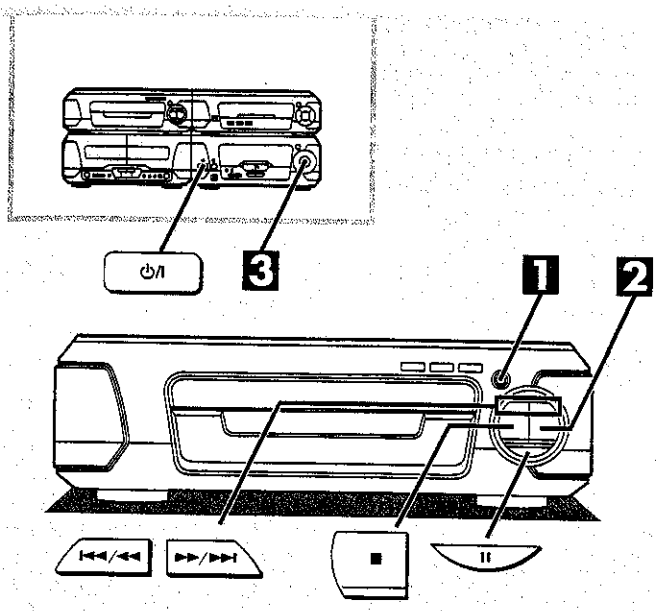
When "FULL" appears:
The number of programmed tracks is limited to 24. No further tracks can be programmed.

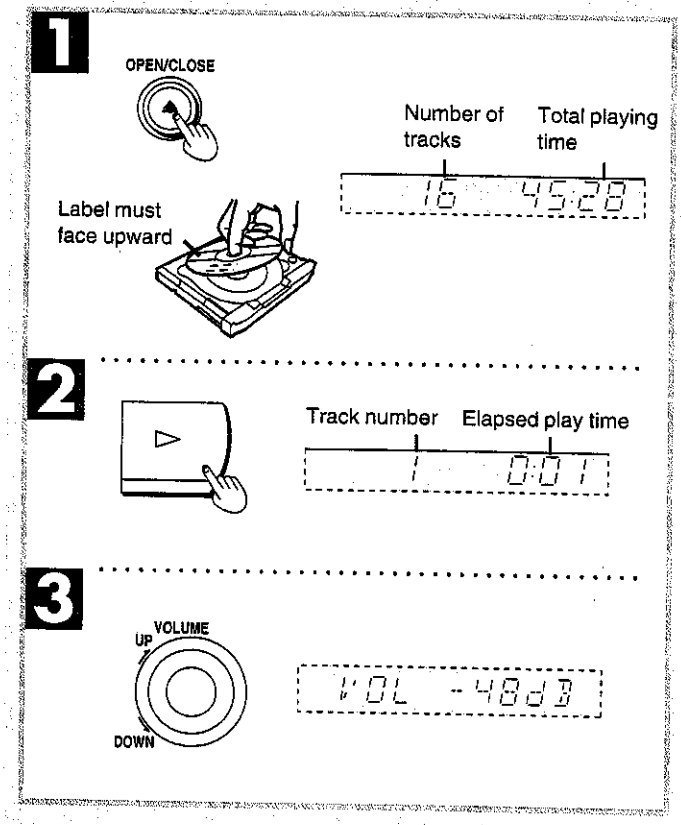
When "--:--" appears:
The total playing time of the programmed tracks has exceeded 99 minutes 59 seconds, or you tried programming a track which is numbered 25 or more, or you tried programming a disc not in playing position. In any case, you can still program and play discs.

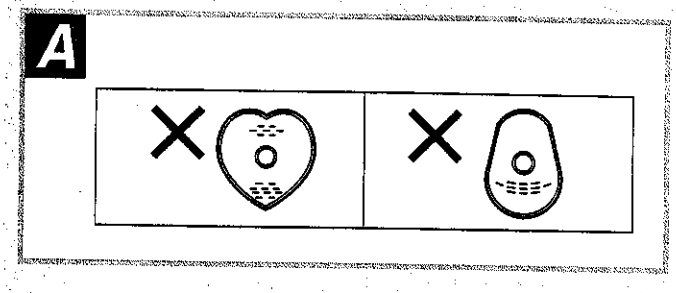
You can do the following during program play. A

- **Check program contents.**
  1. Press [CANCEL].
     "CANCEL" will light.
  2. Press [⏮/◀◀] or [▶▶/⏭]. Every time you press one of the buttons, the track and program No. are shown on the display.
  3. After the total playing time appears on the display, press [CANCEL]. "CANCEL" goes out.
- **Add to the program.**
  Repeat steps 3 through 5.
- **Cancel entries.**
  A specific track only:
  ① Press [CANCEL]. "CANCEL" will light.
  ② Press the numeric button(s) of the track you want to cancel, or press [⏮/◀◀] or [▶▶/⏭] to select the track you want to cancel and then press [CANCEL].
  ③ Press [CANCEL] once again. "CANCEL" goes out.
  All tracks:
  Press [PROGRAM], or press [■] while play is stopped.

For your reference:
To program the track you are listening to:
If you press [PROGRAM] during playback, the program mode will engage and the current track will be automatically recorded as program No. 1.







Listening to compact discs

For SC-EH550

Sequential play

Preparation:
Press [⏻/I] to turn the unit on.

1 Press [▲ OPEN/CLOSE] to open the tray.

Insert the CD with label facing upward.

Press [▲ OPEN/CLOSE] to close the tray.
When the "CD" input source is selected, total number of tracks and total playing time will appear on the display.

2 Press [▷].

Play will start from the first track on the CD.
Play will stop automatically when the last track on the CD finishes playing.

3 Adjust the volume.

To stop the disc:
Press [■].

To temporarily stop the disc:
Press [II]. The play indicator flashes.
To play again, press [▷].

Skipping tracks backward and forward:
Press [I◄◄/◄◄] to skip backward. Press [►►/►►I] to skip forward.

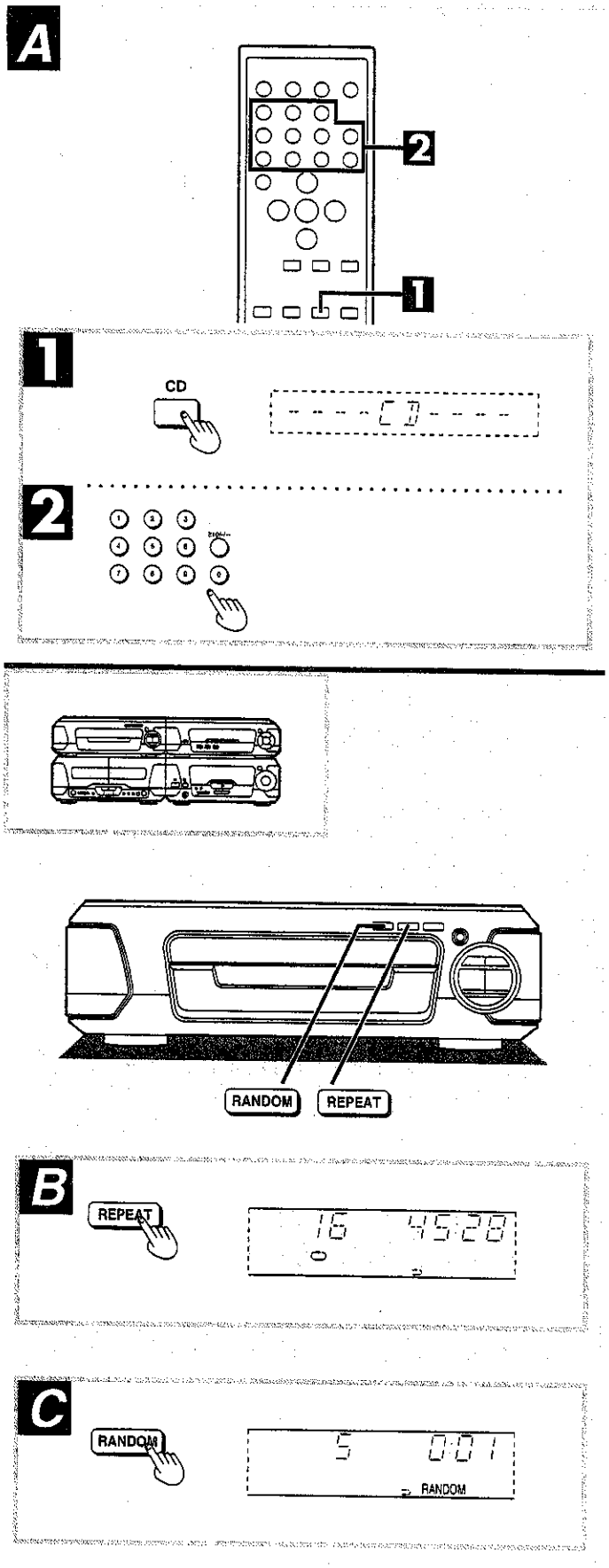
Searching through tracks during play:
Press and hold [I◄◄/◄◄] to search backward. Press and hold [►►/►►I] to search forward.

When "NO DISC" display appears:
It indicates that a CD has not been installed.

For your reference:
If you press [▷] instead of [▲ OPEN/CLOSE] after inserting a CD, the tray will close and play will start directly from track 1.

Note

- During random play (➡ page 22), you cannot skip to tracks which have already been played.
- During program play (➡ page 23) or random play, you cannot search-forward/ backward over tracks.
- During program play, skipping is in always in the programmed order, whether forward or backward.
- Do not use CDs with poorly attached labels or stickers. Adhesive protruding from underneath stickers or left over from peeled off stickers can cause the system to malfunction.
- Do not use irregular shaped CDs. A



Listening to compact discs For SC-EH550

Direct access play A

by remote control only

Direct access allows you to start sequential play from a specific track to the last track on the CD.

1 Press [CD].

2 Press the numeric button(s) to select the desired track number.
Play will start with the track you select.

To select a two-digit track:
Press [≥10/-/--] and then the two numbers you want within 10 seconds or so.

Repeat play B

This function repeats the play of all tracks.

Press [REPEAT] before or during play.

To cancel repeat play:
Press [REPEAT] once again.

To repeat only your favorite track(s)
1. Program the track(s) you want (➡ page 23).
2. Press [REPEAT] and make sure " ↻ " is displayed.
3. Press [▷]. Play will start

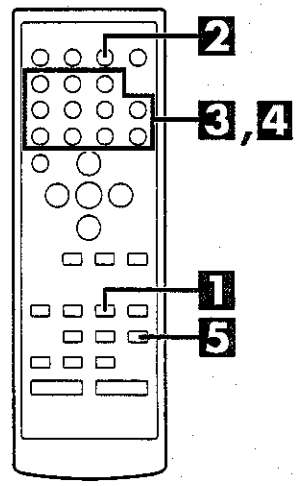
Random play C

This function automatically selects a sequence of tracks to be played in random order.

Press [RANDOM].
Random play will start.
Play will stop automatically when all tracks on the CD finish playing randomly.

To cancel random play:
Press [RANDOM] once again.

For your reference:
In the program play mode (➡ page 23), the programmed tracks will be played randomly.



Program play

by remote control only

This function allows you to program up to 24 tracks.

1 Press [CD].

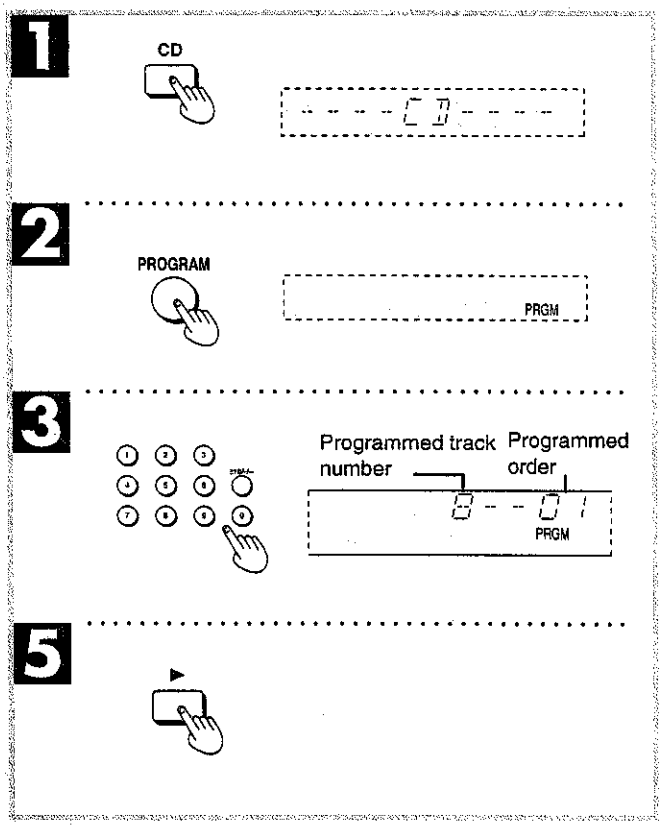
2 Press [PROGRAM].

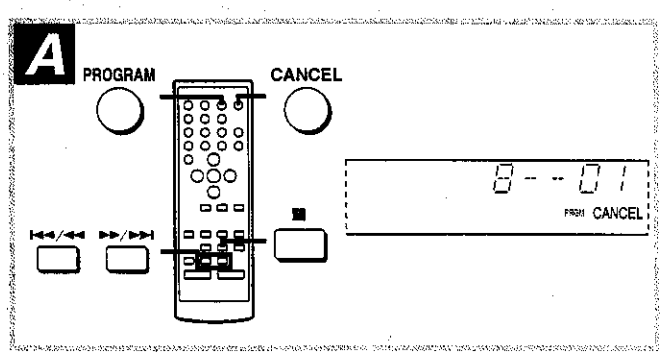
3 Press the numeric button(s) to select the track you want to play in the desired sequence.

To select a two-digit track:
Press [≥10/-/--] and then the two numbers you want.

4 Repeat step 3 until you have programmed all the tracks you want.

5 Press [▶].
Play will start in the programmed sequence.
Play will stop automatically when all the programmed tracks have been played.





To cancel program play mode:
Press [PROGRAM].
"CLEAR" will appear on the display for approximately 1 second and all the programmed tracks will be cancelled.

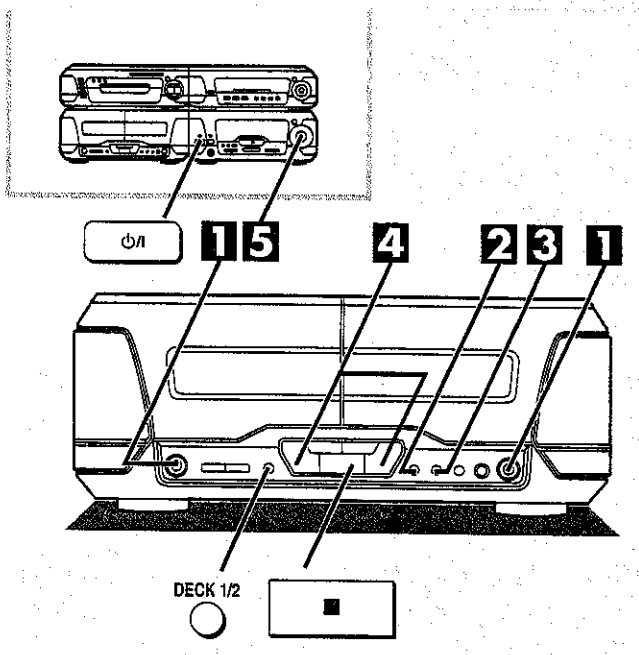
When "FULL" appears:
The number of programmed tracks is limited to 24. No further tracks can be programmed.

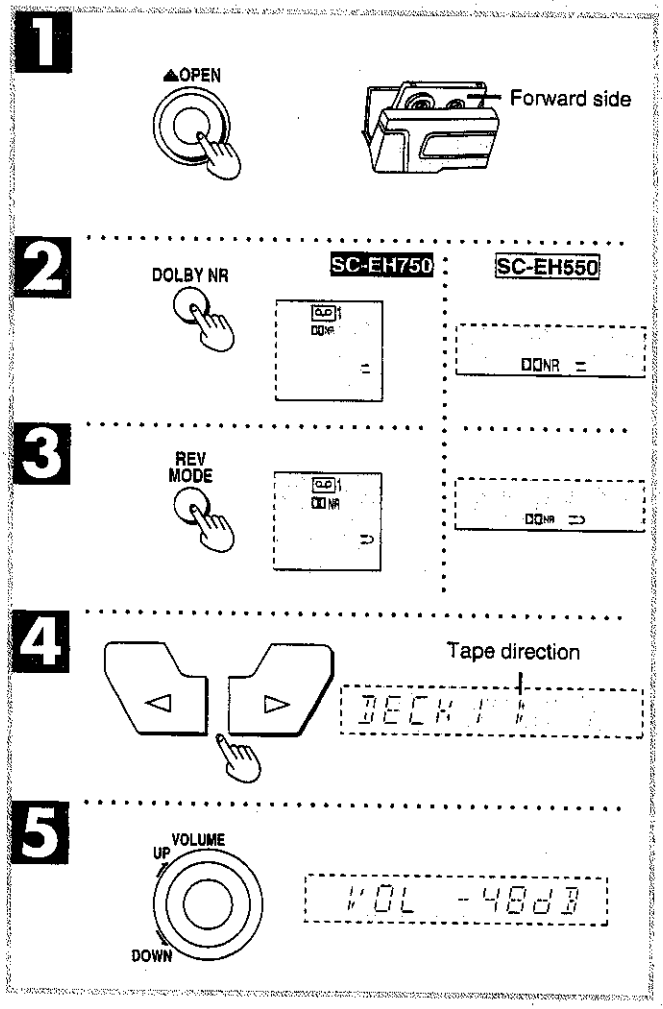
When "--:--" appears:
The total playing time of the programmed tracks has exceeded 99 minutes 59 seconds, or you tried programming a track which is numbered 25 or more. In any case, you can still program and play discs.

You can do the following during program play. A

- **Check program contents.**
  1. Press [CANCEL].
     "CANCEL" will light.
  2. Press [⏮/◀◀] or [▶▶/⏭]. Every time you press one of the buttons, the track and program No. are shown on the display.
  3. After the total playing time appears on the display, press [CANCEL]. "CANCEL" goes out.
- **Add to the program.**
  Repeat step 3.
- **Cancel entries.**
  A specific track only:
  ① Press [CANCEL]. "CANCEL" will light.
  ② Press the numeric button(s) of the track you want to cancel, or press [⏮/◀◀] or [▶▶/⏭] to select the track you want to cancel and then press [CANCEL].
  ③ Press [CANCEL] once again. "CANCEL" goes out.
  All tracks:
  Press [PROGRAM], or press [■] while play is stopped.

For your reference:
To program the track you are listening to:
If you press [PROGRAM] during playback, the program mode will engage and the current playback track will be automatically recorded as program No. 1.





Listening to tapes

Types of tapes which can be played:
The unit automatically identifies the type of tape.

Normal position/TYPE I	○
High position/TYPE II	○
Metal position/TYPE IV	○

Preparation:
Press [⏻/I] to turn the unit on.

1 Press [▲ OPEN] on deck 1 or deck 2 and insert the tape.
Load a tape with the exposed side facing downward.
Close the cassette holder.

2 Press [DOLBY NR] to select Dolby NR on or off.
"DD NR" appears when the Dolby NR system is on.

3 Press [REV MODE] to select the reverse mode.
Each time you press [REV MODE], one of the indicators will appear.
⇄: The deck plays one side only.
⇄⊃: The deck plays both sides.
⊂⇄⊃: The deck plays both sides 8 times.

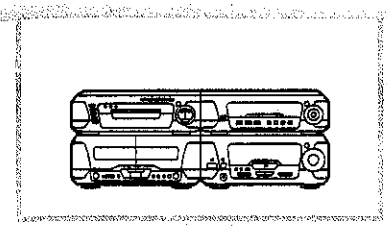
4 Press [◁] or [▷].
▷: The forward side will play.
◁: The reverse side will play.

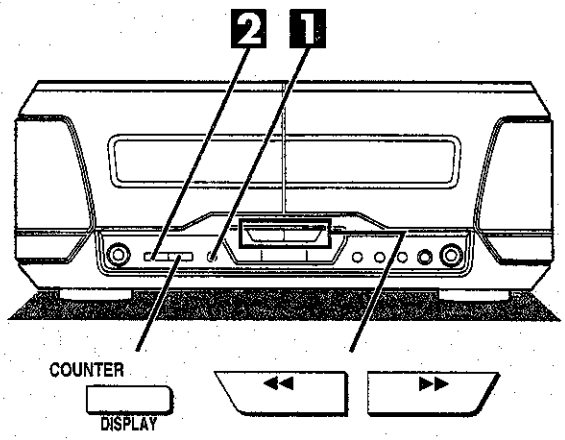
5 Adjust the volume.

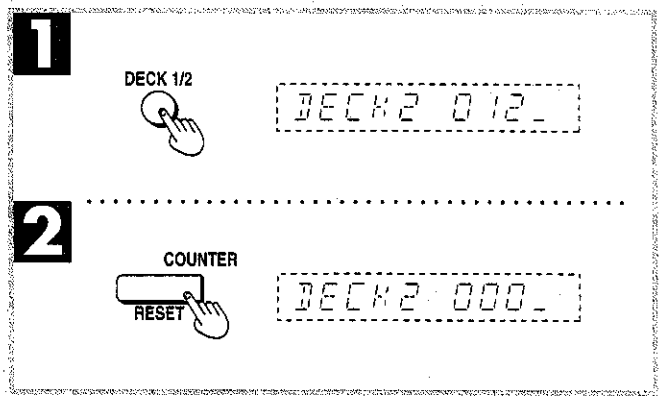
To stop tape playback:
Press [■].

To change the deck to be used: A
Press [DECK 1/2] to select the deck you want to play.

To listen to 2 tapes consecutively:
Load a tape into each deck and select "⊂⇄⊃". Both tapes will be played 8 times each.







To reset the tape counter

1 Press [DECK 1/2] to select the deck.

2 Press [COUNTER RESET].
When the tuner or CD mode display shows, the tape counter display will appear for about 1 second.

To reset the tape counter while listening to or recording from CDs or the radio

① Press [COUNTER DISPLAY].
② Press [COUNTER RESET] while the tape counter is being displayed (displayed for approximately 5 seconds).

For your reference:
- When the tape is travelling in the reverse direction, the value displayed on the tape counter will count down. After "000_" is reached, the display will switch to "999_" and then continue counting down.
- It is useful—for example—to reset the counter when recording from the middle of tapes. The number lets you know roughly where you started from.

To fast forward or rewind the tape

Press [◀◀] or [▶▶] while the tape is in the stop mode.

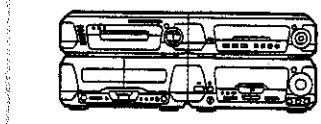
Tape direction	To rewind	To fast-forward
▷	◀◀	▶▶
◁	▶▶	◀◀

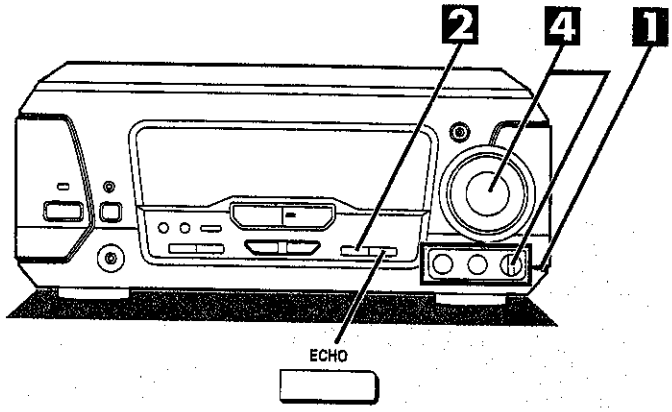
For your reference:
- Each deck's play direction is stored in the system's memory.
- You can fast forward or rewind the tape while you are playing or recording a tape in another deck. Press [DECK 1/2] to switch to the non playing deck, and then press [◀◀] or [▶▶]. After the above operation, be sure to press [DECK 1/2] to reselect the deck in which you are playing a tape.

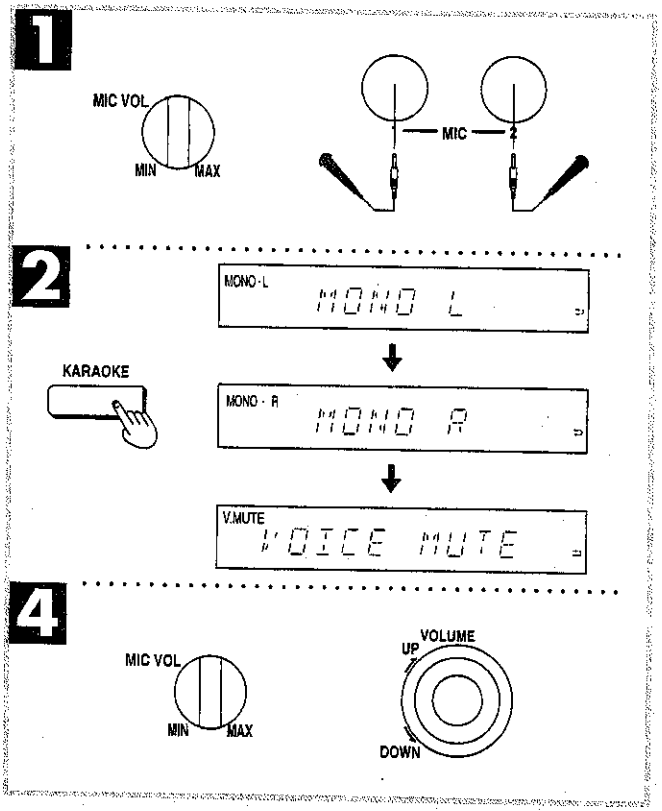
To find the beginning of a program (TPS: tape program sensor)

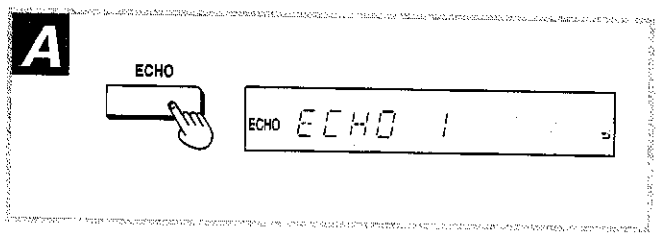
Press [◀◀] or [▶▶] while the tape is playing.
If the forward side (▷) is playing:
▶▶: The tape will play from the beginning of the next tune.
◀◀: The tape will rewind to the beginning of the present tune. Then the tune will play again.
If the reverse side (◁) of the tape is playing:
The reverse operation will take place.

Note
TPS searches for silent parts of about 4 secondes normally found between tunes. As a result, it may not function properly in the following cases.
- With short silent parts
- When noise occurs between tunes
- With silent parts found between tunes









Singing along with KARAOKE

(For Australia and N.Z. only)

This unit lets you enjoy KARAOKE with audio CDs and audio tapes.

1 First, lower volume with MIC VOL control, then, connect the microphone to the MIC jack.
Plug type: 6.3 mm monaural

2 Press [KARAOKE] to select the voice mode.
Each time the button is pressed, the display will change in the following order:

MONO L→MONO R→V.MUTE
↑——(OFF)←——┘

Voice mode selection:
○: Appropriate ●: For practice, etc.

Voice modes \ Software	Karaoke		Non-karaoke
	Sound multiplex	Stereo	
OFF	● (Background music+Voice)	○	● (For singing along)
V.MUTE	—	—	○
MONO L	○ (Background music)	—	—
MONO R	● (Voice)	—	—

Note
A bar is indicated in the above table when the voice mode is least effective. It is better to avoid using the mode in such cases.

3 Start the source (CD, etc.).

4 Adjust volume with VOLUME and MIC volume control, and sing along.

To cancel the KARAOKE:
Press [KARAOKE] to select "OFF" mode.

You cannot use "KARAOKE" function with:
- 3D AI EQ and surround effects
- a radio source

To record your "KARAOKE" performance:
Start recording in deck 2, then start "KARAOKE" performance.
To playback the tape recorded in "KARAOKE" mode, press [KARAOKE] so that the KARAOKE indicator goes out.

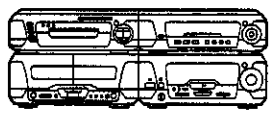
You cannot record in "KARAOKE" mode using:
- sound quality and surround effects
- a broadcast

When using the V.MUTE (Voice Mute) function
Always use software recorded in stereo. Voice mute may not function sufficiently or noise may interfere when using the following software.
- Monoaural software
- Software with few musical instruments, including classic music and poetry recitations
- Software with duets or strong choruses

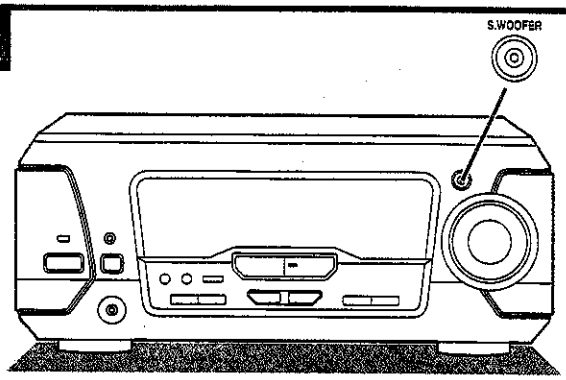
Using the Echo Effect A

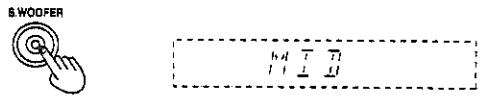
Echo levels from ECHO 1 to ECHO 3 can be selected.

Press [ECHO].
Each time the button is pressed, the effect will change as follows.
ECHO 1→ECHO 2→ECHO 3
↑——OFF←——┘



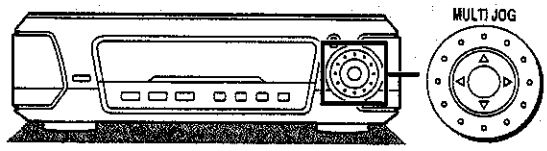
A



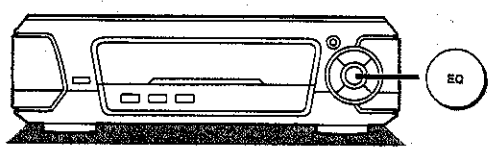


B

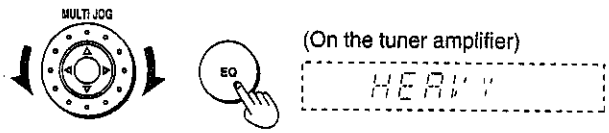
SC-EH750



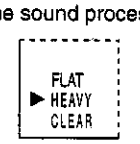
SC-EH550



SC-EH750 SC-EH550



① (On the sound processor)



②

③

④

⑤

⑥

Boosting the super woofer A

Press [S. WOOFER].
[S. WOOFER] lamp lights.

- **When listening to the sound through the speakers:**
  MID (medium)→MAX (high)→Light off (OFF)
  ↑_____↓
- **When listening to the sound through the headphones:**
  Light on (ON)←→Light off (OFF)

To cancel
Press [S. WOOFER] to select OFF.

Using the built-in sound quality/ sound field settings B

For SC-EH750

Turn [MULTI JOG] to select the sound quality or sound field.

For SC-EH550

Press [EQ] to select the sound quality or sound field.

When [MULTI JOG] is turned clockwise or each time [EQ] is pressed, the settings are selected in the following sequence.

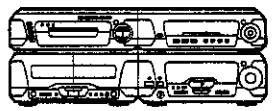
① **HEAVY (sound quality)**
Select this when playing rock or other kinds of music that sound better with an added punch.
② **CLEAR (sound quality)**
Select this for jazz or other kinds of music for which clarity in the treble range is desired.
③ **HALL (sound field)**
Select this to add an expansiveness to the sound to produce the atmosphere of a great concert hall.
④ **AI EQ (➡ page 29)**
⑤ **MANUAL (➡ page 28)**
⑥ **FLAT**
The original display is restored on the display panel in about 5 seconds.

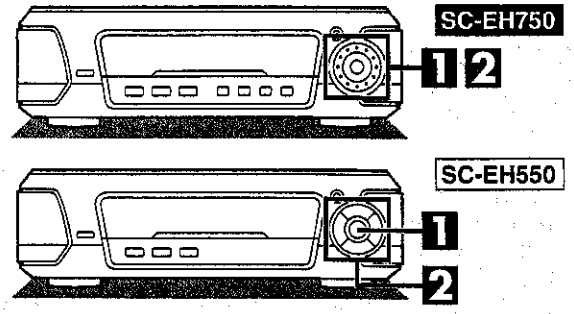
To release the equalizer

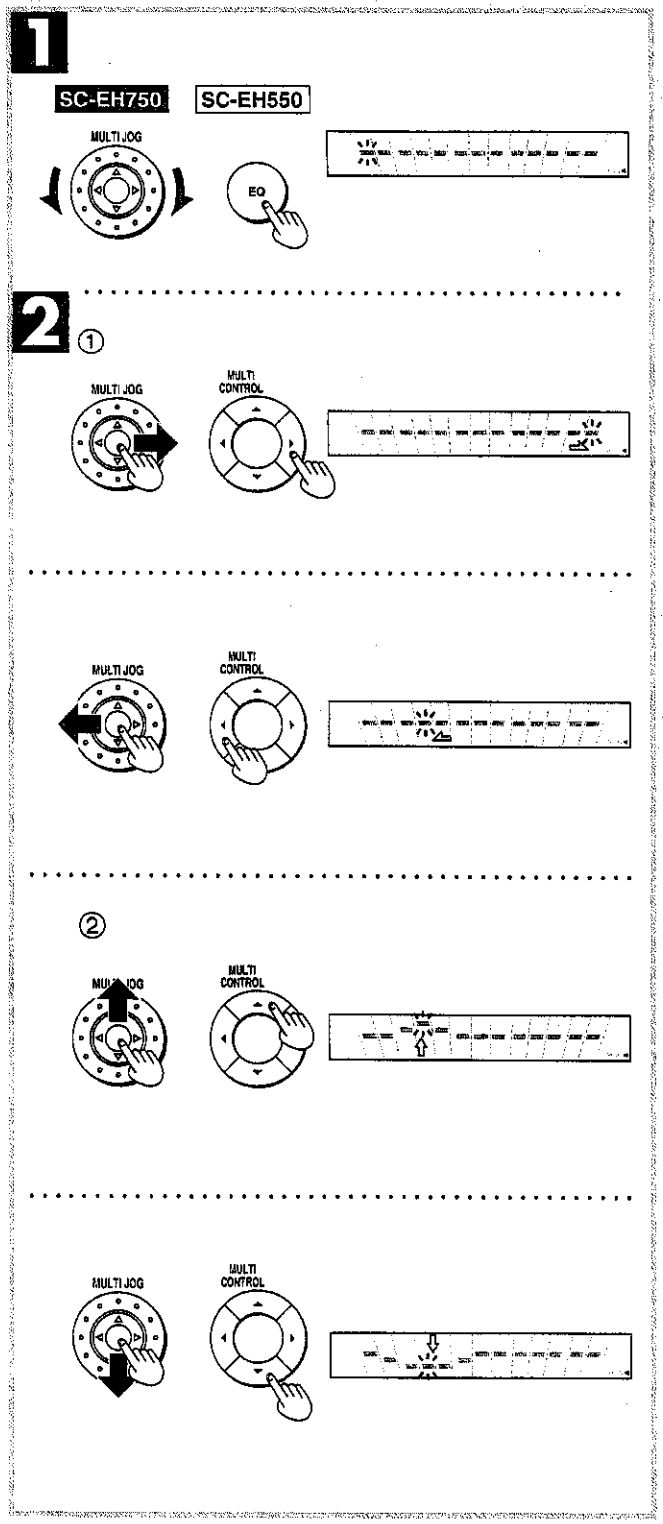
For SC-EH750
Turn [MULTI JOG] to select "FLAT".

For SC-EH550
Press [EQ] to select "FLAT".

When using the remote control to perform the operations described above
Press [EQ].
Each time this button is pressed, the setting is changed in the sequence described above.







Varying the sound quality with the manual equalizer (Manual EQ)

1 For SC-EH750

Turn [MULTI JOG] to select "MANUAL".

For SC-EH550

Press [EQ] to select "MANUAL".

When [MULTI JOG] is turned clockwise or each time [EQ] is pressed, the settings are selected in the following sequence.

① HEAVY ←
② CLEAR
③ HALL
④ AI EQ
⑤ **MANUAL**
⑥ FLAT ←

2 Adjust the sound quality.

① ← → direction: For selecting the range of the sound to be adjusted

Characteristics of each sound range

Under 100 Hz:	Super woofer range
Around 315 Hz:	Bass to midrange
Around 1 kHz:	Midrange
Around 3.15 kHz:	Midrange to treble
Above 10 kHz:	Treble

② ↓ ↑ direction: For adjusting the level

Repeat steps ① and ② to set the desired sound quality.

The original display is restored on the display panel in about 5 seconds.

To release the equalizer

For SC-EH750

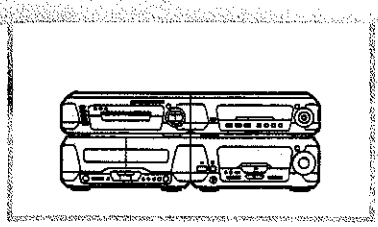
Turn [MULTI JOG] to select "FLAT".

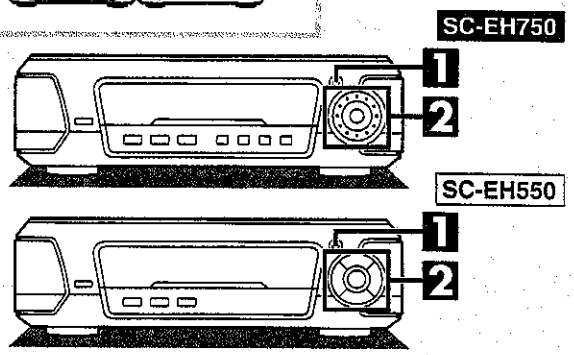
For SC-EH550

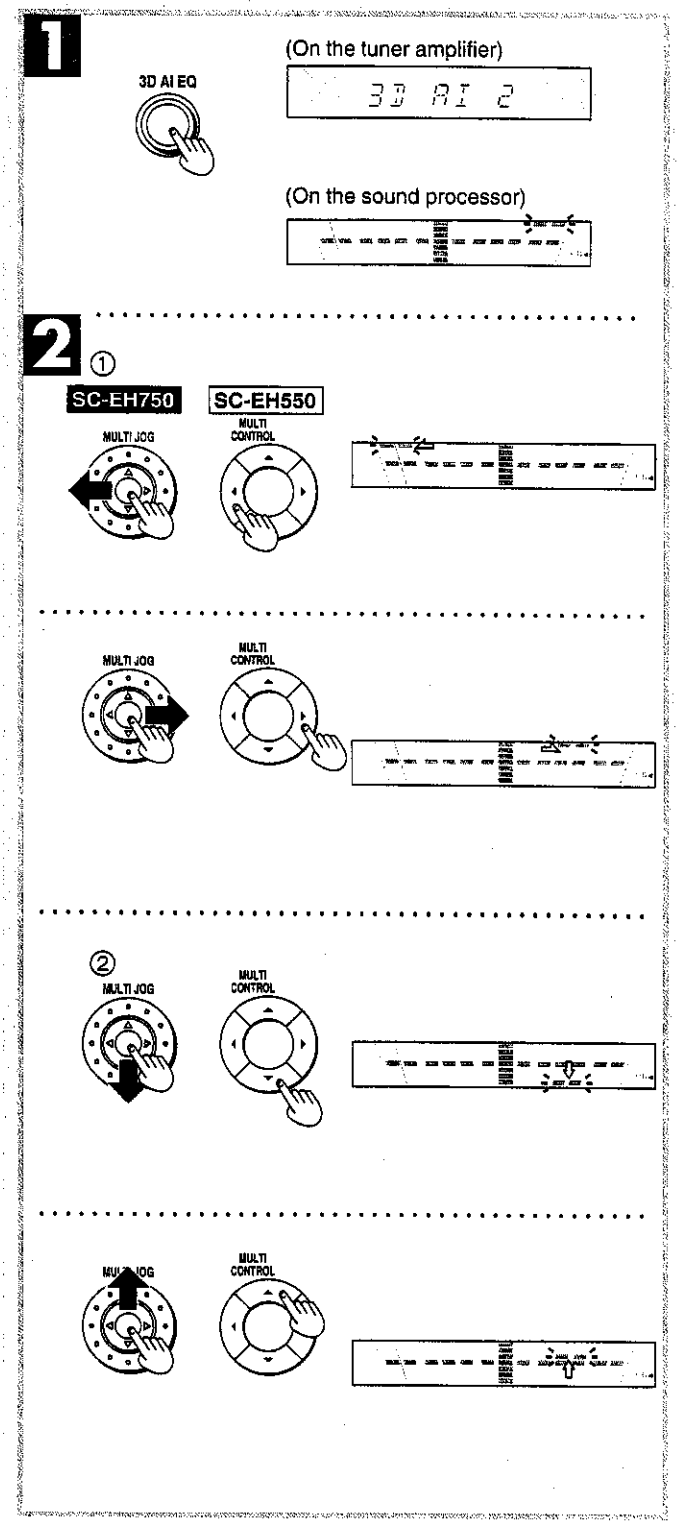
Press [EQ] to select "FLAT".

Note

- The sound quality setting is stored automatically. It is recalled when "MANUAL" is next selected.
- All recordings are performed at the flat setting even if an alternative sound quality setting has been selected.







Varying the sound quality with the acoustic image (AI) equalizer (3D AI EQ)

It is possible to use the acoustic image equalizer (AI EQ) together with the surround effect to create your own sound effect.
The AI EQ equalizer uses the SOFT, SHARP, HEAVY and LIGHT sound quality coordinates to achieve subtle sound quality settings with ease.

1 Press [3D AI EQ] to adjust the surround level.

Everytime you press the button;
AI EQ→3D AI 1→3D AI 2

2 Adjust the sound quality.

① ←→ direction: SOFT–SHARP setting
② ↓ ↑ direction: LIGHT–HEAVY setting
Repeat steps ① and ② to set the desired sound quality.
The original display is restored on the display panel in about 5 seconds.

To release the equalizer

For SC-EH750
Turn [MULTI JOG] to select "FLAT".
For SC-EH550
Press [EQ] to select "FLAT".

Note

- The sound quality setting is stored automatically. It is recalled when "AI EQ" is next selected.
- All recordings are performed at the flat setting even if an alternative sound quality setting has been selected.
- 3D AI 1 and 3D AI 2 cannot be selected while the 6CH DISCRETE INPUT, DOLBY PRO LOGIC, SUPER SURROUND, SIMULATED STEREO and VIRTUAL DOLBY SURROUND modes are on.

Surround systems

- Select the surround mode appropriate to the source you are using. Read the following explanations to aid your selection.

Surround system	Features	Recognizing the sound sources and software that can be used
For SC-EH750 **6CH DISCRETE INPUT**	• Dolby Digital is a discrete 5.1 channel surround system developed for cinema use. The sound signals in Dolby Digital format are compressed to 1/10 their original size, allowing an entire movie to be recorded on a single DVD. • You will need a DVD player that has a built in decoder to enjoy DVDs with this unit. • Connect a subwoofer (not included) to SUBWOOFER OUT terminal on the rear panel of the sound processor to increase the effect.	Discs with the following mark are recorded in Dolby Digital: • DVD • Laser Disc DOLBY DIGITAL
For SC-EH750 **DOLBY PRO LOGIC**	• This system was developed to get a better sense of presence from sources encoded with Dolby Surround. • The feeling of position has been improved by the addition of a separate center speaker channel. • This unit has built-in Dolby Pro Logic circuity so you can enjoy Dolby Surround by connecting the speakers.	Software with the following mark is recorded in Dolby Pro Logic: • Laser Disc • DVD • Video tape (VCR) • CD DOLBY SURROUND This mode cannot be used with the radio and 6CH DISCRETE INPUT mode.
For SC-EH550 **VIRTUAL DOLBY SURROUND** VIRTUAL DOLBY SURROUND	This mode enables you to play sources recorded in Dolby Digital or Dolby Pro Logic through 2 channels, but with the feeling of 4 or 5.1 channel playback.	Software recorded in Dolby Digital or Dolby Pro Logic (See above): • Laser Disc • DVD • Video tape (VCR) • CD DOLBY DIGITAL DOLBY SURROUND This mode cannot be used with the radio.
For SC-EH750 **SUPER SURROUND** **MOVIE mode**	• This mode adds surround effects to movie software that isn't recorded with the above systems. In MOVIE mode you can adjust the volume of the surround speaker to get the best surround effect.	Any general sound source can be used. • CD • Tape • Video tape This mode cannot be used with the radio and 6CH DISCRETE INPUT mode.
MUSIC mode	• This mode adds surround effects to normal music sources.	
SIMULATED STEREO	• This mode adds stereo-like effects to monaural sound sources.	Any general sound source recorded in monaural can be used. • CD • Tape • Video tape This mode cannot be used with the radio and 6CH DISCRETE INPUT mode.

Add these audio effects to improve the experience

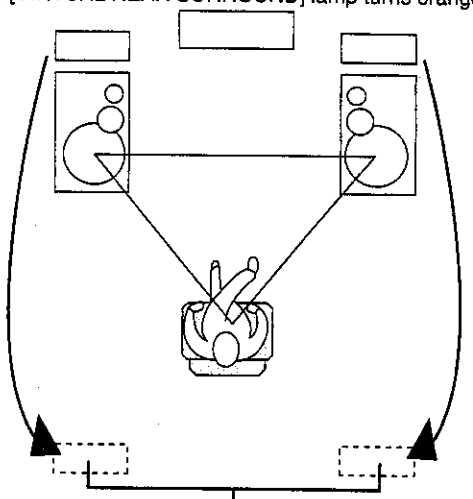
•Check the set-up of your speakers.

Set your speakers up to suit the surround mode you have selected to get the best surround effect.
These modes cannot be used with the radio.

For SC-EH750

Virtual rear surround effect

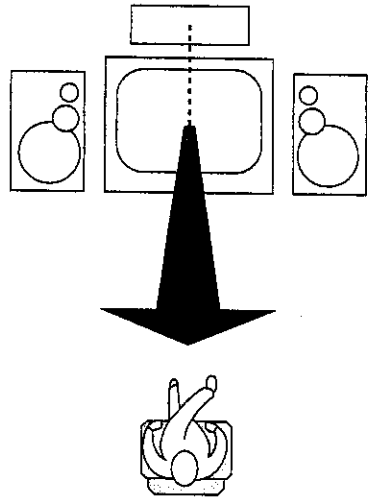
- This mode is useful if you have to place your surround speakers on the front speakers because of the room's layout.
- This mode makes it seem like the sound from the surround speakers is coming from behind you.
- It is effective when using 6CH DISCRETE INPUT, DOLBY PRO LOGIC, or SUPER SURROUND MOVIE mode. (The [VIRTUAL REAR SURROUND] lamp turns orange.)



For SC-EH750

Center focus effect

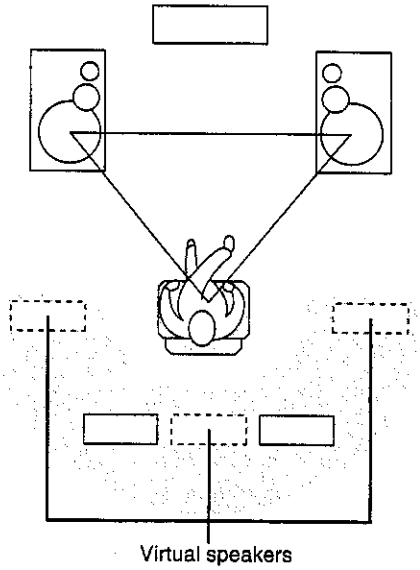
- This mode makes it seem like the sound from the center speaker channel (dialogue, etc.) is coming from within the television.
- The center speaker must be placed on top of the television.
- It is effective when using 6CH DISCRETE INPUT or DOLBY PRO LOGIC. (The [CENTER FOCUS] lamp turns orange.)



For SC-EH750

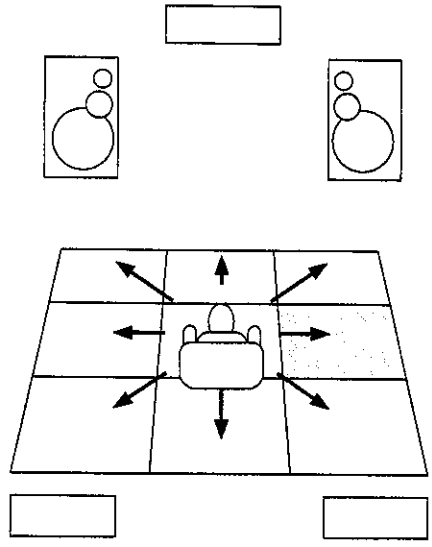
Multi rear surround effect

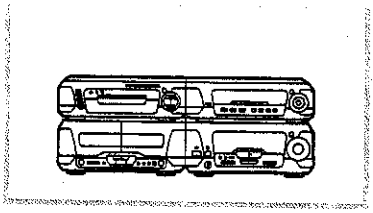
- Through processing of the surround sound signals, this mode makes it seem like there are multiple surround speakers in your room.
- This mode increases the cinema-like sense of presence.
- It is effective when using 6CH DISCRETE INPUT, DOLBY PRO LOGIC, or SUPER SURROUND MOVIE mode. (The [MULTI REAR SURROUND] lamp turns orange.)

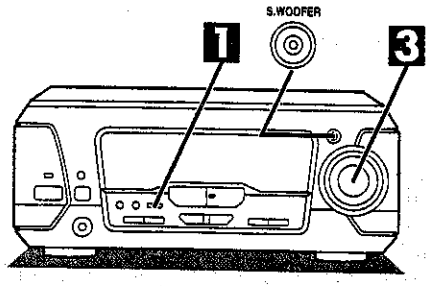


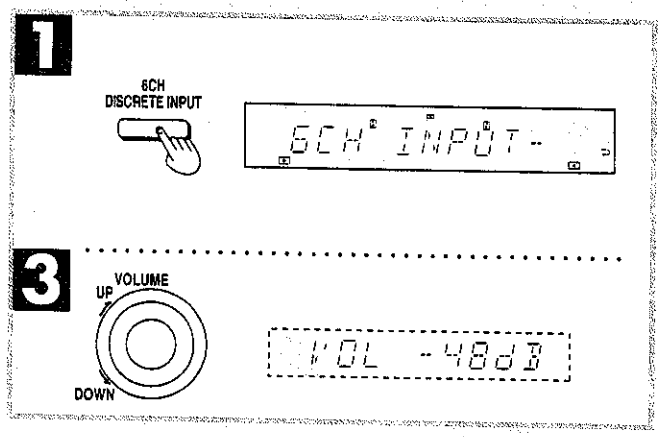
Seat position function

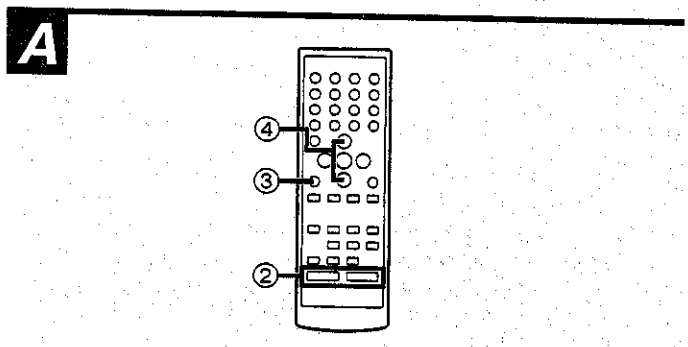
- This function helps maintain the sound signal position even if the listening position itself is changed.
- For SC-EH750
  It is effective when using 6CH DISCRETE INPUT, DOLBY PRO LOGIC, or SUPER SURROUND MOVIE mode. (The [SEAT POSITION] lamp turns orange.)
- For SC-EH550
  It is effective when using VIRTUAL DOLBY SURROUND.

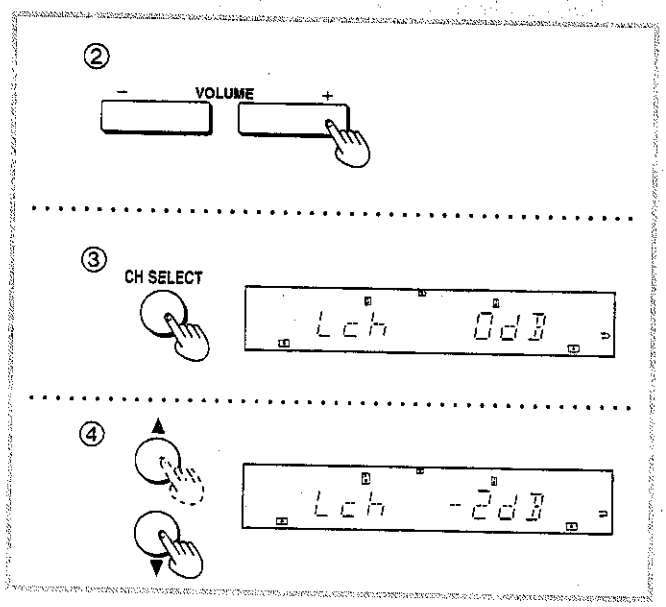












Enjoying sound with 6CH DISCRETE INPUT For SC-EH750

This mode allows you to enjoy the 5.1 channel Dolby Digital surround effects recorded on DVDs when they are played on a player which has 5.1 channel analog output (➡ page 30).

1 Press [6CH DISCRETE INPUT].

For your reference

If you have connected a subwoofer (not included), press and hold [S. WOOFER] for about 2 seconds so "SUB W ON" is shown on the display. The SUBWOOFER can only be turned on and off if 6CH DISCRETE INPUT mode is selected.

2 Start playing the source (DVD).

Note

Do not switch input to AUX (DVD). This cancels 6CH DISCRETE INPUT mode.

3 Adjust the volume.

To adjust the volume of each speaker A

Sit in the normal listening position and make the adjustments with the remote control.

Preparation:

Press [6CH DISCRETE INPUT] to select 6CH DISCRETE INPUT mode.

① **Output the test signal from the DVD player (not included).**
Set the channel level to 0 dB on the DVD player, and adjust the channel level on this system.

② **Press [VOLUME (– or +)].**
Set the volume to the normal listening level.

The following steps are for setting the output level of the front speakers and the other speakers to approximately the same level.

③ **Press [CH SELECT].**
Select the speaker channel to be adjusted.
- L: Front speaker (Left)
- C: Center speaker
- R: Front speaker (Right)
- RS: Surround speaker (Right)
- LS: Surround speaker (Left)
- SW: Subwoofer

④ **Press [▲] or [▼].**
Adjust the output level.
- ▲: Increases the output level
- ▼: Decreases the output level

Repeat steps ③ and ④ to adjust the level accordingly.

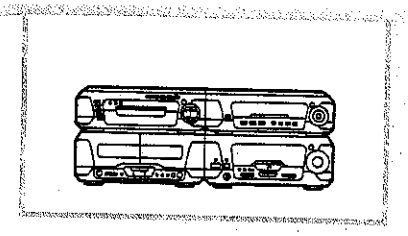
Note

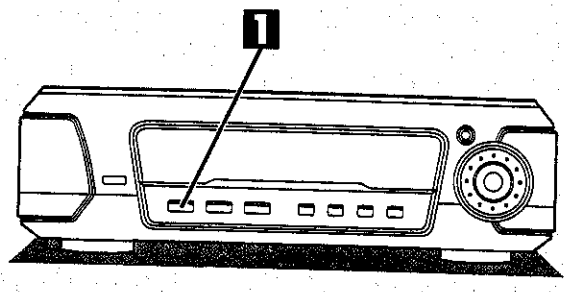
You cannot record sound or use MIC MIX when [6CH DISCRETE INPUT] is selected.

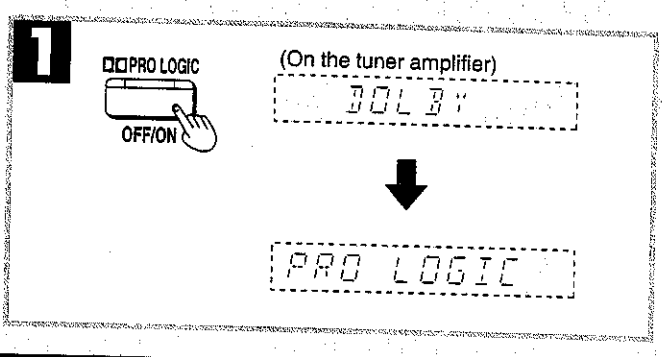
To record or use MIC MIX with DVDs, reconnect the DVD player from its MIXED OUT terminals to this unit's AUX (DVD) or VCR (EXT) IN terminals and select the external source with [INPUT SELECTOR].

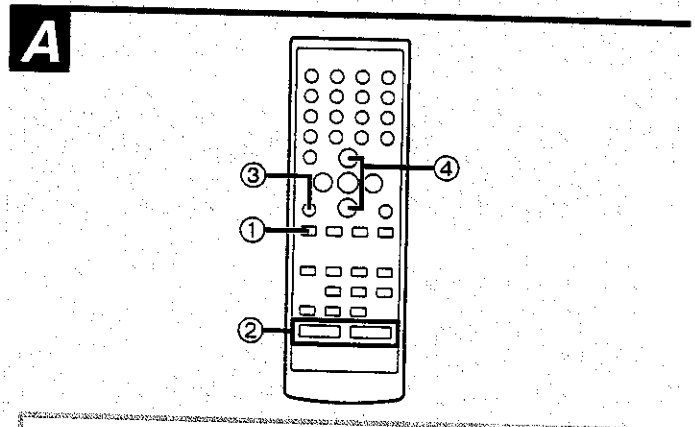
Reference:

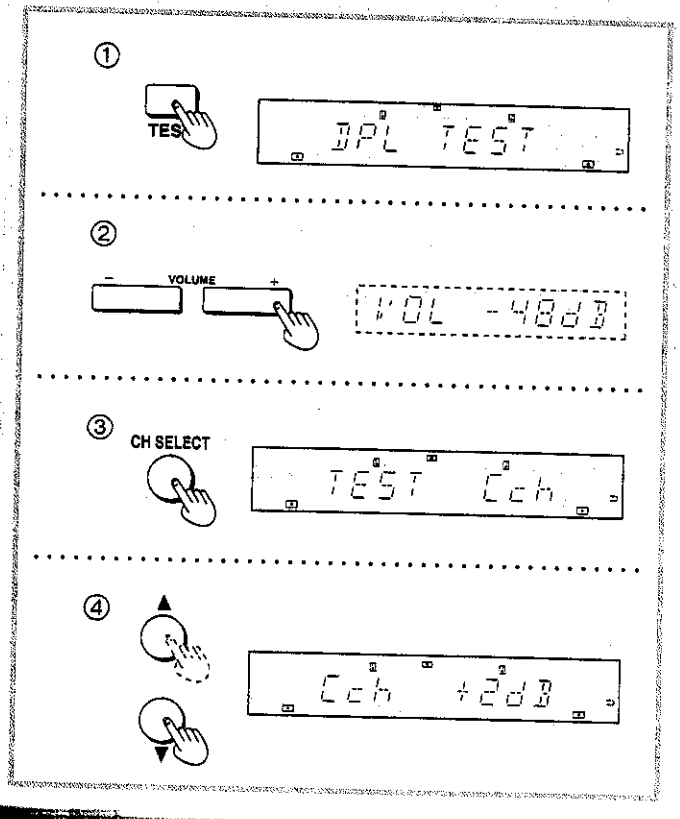
- Add audio effects to improve the surround effect. (➡ pages 34, 35, 36)
- The 6CH DISCRETE INPUT mode is canceled when another source is selected.











To playback a Dolby Surround source with Dolby Pro Logic

For SC-EH750

Use this mode when playing sources recorded with Dolby Pro Logic (➡ page 30).

1 Press [□□ PRO LOGIC, OFF/ON].
The [□□ PRO LOGIC] lamp lights.

2 Playback a Dolby Surround source. (➡ page 47.)

To turn off DOLBY PRO LOGIC

Press [□□ PRO LOGIC OFF/ON].
The [□□ PRO LOGIC] lamp goes out.

To adjust the volume of each speaker A

Sit in the normal listening position and make the adjustments with the remote control.

Preparation:

Press [□□ PRO LOGIC OFF/ON] to turn on DOLBY PRO LOGIC.

① **Press [TEST].**
A test signal is output.
The speaker outputting the test signal is displayed while the test is running.
L: Front speaker (Left)
C: Center speaker
R: Front speaker (Right)
S: Surround speakers

② **Press [VOLUME (– or +)].**
Set the volume to the normal listening level.

The following steps are for setting the output level of the front speakers and the other speakers to the same listening level.

③ **Press [CH SELECT].**
Select the speaker channel to be adjusted.
C ch: Center channel
S ch: Surround channel

④ **Press [▲] or [▼].**
Adjust the output level. The level can be adjusted between +6 and −10.
▲: Increases the output level
▼: Decreases the output level
Repeat steps ③ and ④ to adjust the level accordingly.

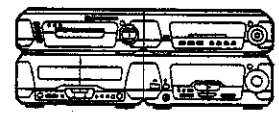
To stop the test signal

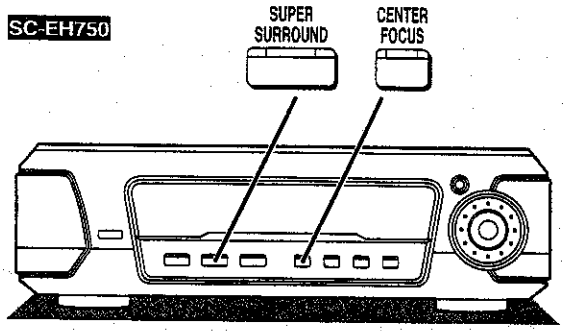
Press [TEST] again.

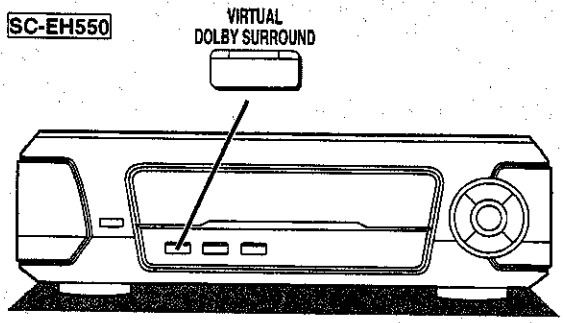
Reference:

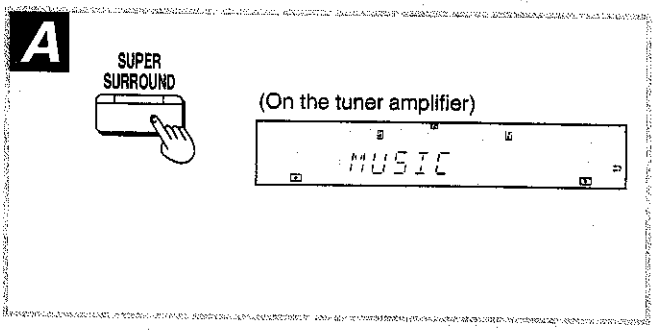
Add audio effects to improve the surround effect.
(➡ pages 34, 35, 36)

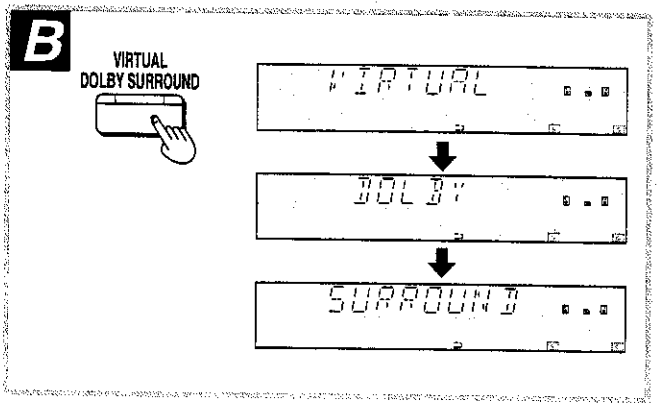
Manufactured under license from Dolby Laboratories Licensing Corporation.
DOLBY, the double-D symbol □□ and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

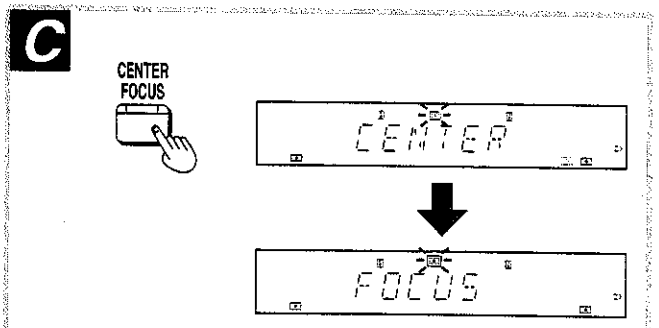












Enjoying sound with stereophonics (SUPER SURROUND)

A For SC-EH750

- This mode adds 5 channel surround effects to normal stereo sources.
- SUPER SURROUND is only effective if speakers are used. No discernable effect will be heard through headphones.

1 Press [SUPER SURROUND] and select MOVIE mode or MUSIC mode.

Each time the button is pressed;
MUSIC→MOVIE→NORMAL STEREO (off)

2 Playback the source.

To turn off the SUPER SURROUND mode

Press [SUPER SURROUND] to select "NORMAL STEREO".

To adjust the volume of surround speakers

You can change the output level of surround speakers manually.
While enjoying the desired source:

1. Press [CH SELECT] on the remote control.
   The output level of surround speakers is displayed.
2. Press [▲] or [▼] on the remote control.
   Adjust the output level. The level can be adjusted between +6 and −10.
   ▲: Increase the output level
   ▼: Decrease the output level

Reference:
Add audio effects to improve the surround effect. (➡ pages 35, 36)

Using virtual Dolby surround B

For SC-EH550

Use this mode with 4 or 5.1 channel sources such as Dolby Pro Logic and Dolby Digital.
The sound from 2 speakers is processed so it appears as if it is coming from 5 or 5.1 speakers.

Press [VIRTUAL DOLBY SURROUND].

The [VIRTUAL DOLBY SURROUND] lamp lights.

To cancel the mode

Press [VIRTUAL DOLBY SURROUND].

Using the center focus effect C

For SC-EH750

- When the center speaker is put on the TV set, this mode makes it seem like the sound from the center speaker is coming from within the television.
- This mode can only be turned on or off if the [CENTER FOCUS] lamp is orange (➡ page 31). The mode cannot be used if the lamp is off.

Press [CENTER FOCUS].

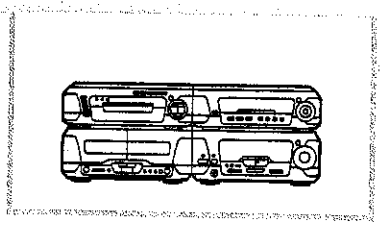
The [CENTER FOCUS] indicator turns green.

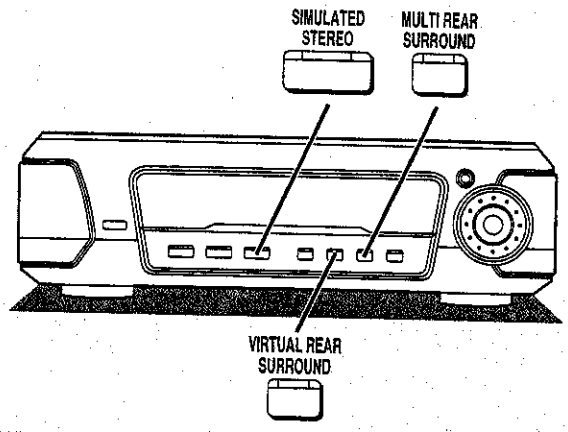
To turn off the CENTER FOCUS mode

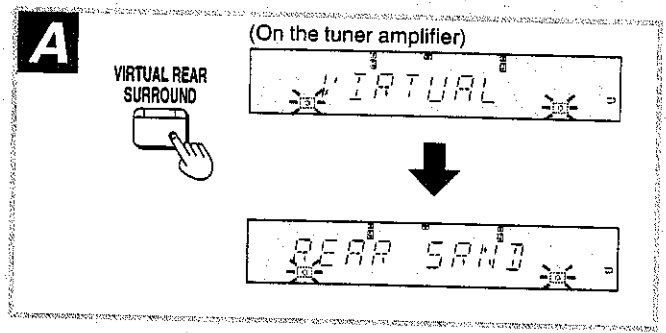
Press [CENTER FOCUS].

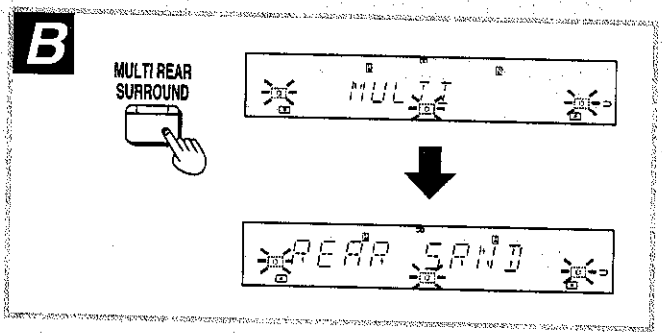
With the remote control

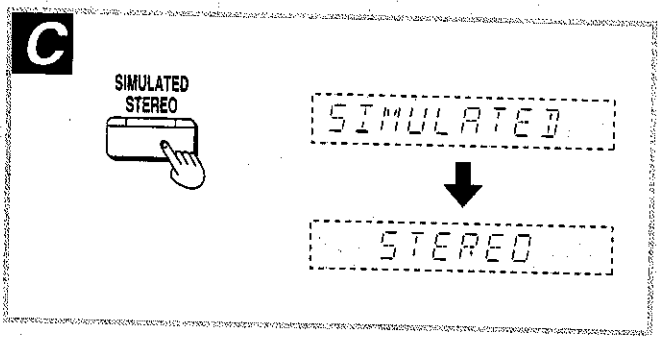
1. Press [AV EFFECT].
2. Press [◄] or [►] so the [CENTER FOCUS] lamp flashes.
3. Press [▼] (OFF) or [▲] (ON).











Using the virtual rear surround effect A For SC-EH750

- When the surround speakers are put on the front speakers, this mode makes it seem like the sound from the surround speakers is coming from behind you.
- This mode can only be turned on or off if the "VIRTUAL REAR SURROUND" lamp is orange (➡ page 31). The mode cannot be used if the lamp is off.

Press [VIRTUAL REAR SURROUND].

The [VIRTUAL REAR SURROUND] lamp turns green.

To turn off the VIRTUAL REAR SURROUND mode

Press [VIRTUAL REAR SURROUND].

With the remote control

1. Press [AV EFFECT].
2. Press [◄] or [►] so the [VIRTUAL REAR SURROUND] lamp flashes.
3. Press [▼] (OFF) or [▲] (ON).

Using the multi rear surround effect B For SC-EH750

- This mode makes it seem like there are multiple surround speakers in your room.
- This mode can only be turned on or off if the [MULTI REAR SURROUND] lamp is orange (➡ page 31). The mode cannot be used if the lamp is off.

Press [MULTI REAR SURROUND].

The [MULTI REAR SURROUND] indicator turns green.

To turn off the MULTI REAR SURROUND mode

Press [MULTI REAR SURROUND].

With the remote control

1. Press [AV EFFECT].
2. Press [◄] or [►] so the [MULTI REAR SURROUND] lamp flashes.
3. Press [▼] (OFF) or [▲] (ON).

Enjoying sound with simulated stereo C

This mode adds stereo effect to monaural sources.

1 Press [SIMULATED STEREO].

The [SIMULATED STEREO] lamp lights.

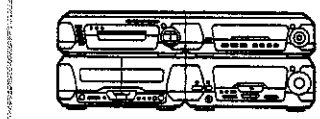
2 Playback the source.

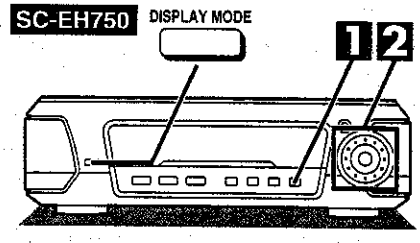
To turn off the SIMULATED STEREO mode

Press [SIMULATED STEREO].

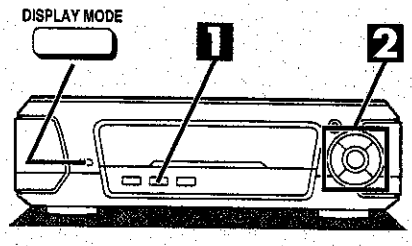
The [SIMULATED STEREO] lamp goes out.

A

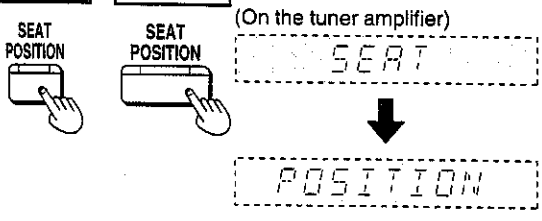




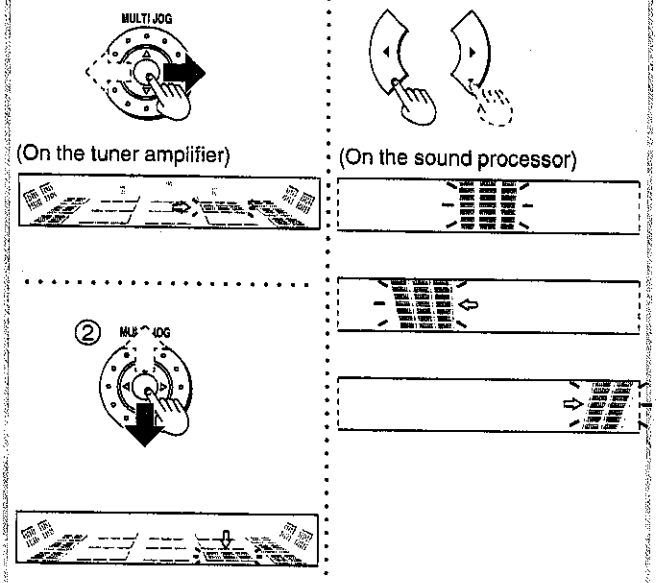
SC-EH550



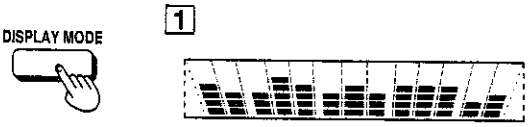
1 SC-EH750 SC-EH550



2 SC-EH750 SC-EH550



B



Using the seat position function A

- This function lets you adjust the listening position for better effect.
- With SC-EH750, this mode can only be turned on or off if the [SEAT POSITION] lamp is orange (➡ page 31). The mode cannot be used if the lamp is off.
  With SC-EH550, this mode can only be used when Virtual Dolby Surround is on.

1 Press [SEAT POSITION].
The [SEAT POSITION] lamp flashes green.
While the indicator is flashing change the seat position.

2 Within 10 seconds
Adjust the seat position.

To turn off the SEAT POSITION mode

Press [SEAT POSITION] once to select the function and once again to turn it off while the lamp flashes.

With the remote control

For SC-EH750

1. Press [AV EFFECT].
2. Press [◄] or [►] so the [SEAT POSITION] lamp flashes.
3. Press [▲] (ON).
4. Press [◄], [►], [▼], or [▲] to adjust the seat position.

To turn it off, after steps 1 and 2, press [▼] (OFF).

For SC-EH550

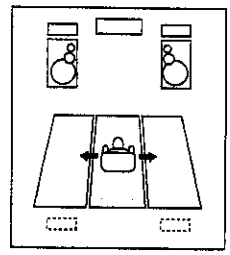
1. Press [SEAT POSITION] so the [SEAT POSITION] lamp flashes.
2. Press [◄] or [►] to adjust the seat position.

To turn it off, press [SEAT POSITION] so the [SEAT POSITION] lamp goes out.

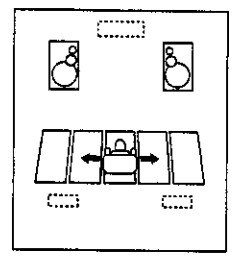
Note

- When used with virtual rear surround (SC-EH750 only), seat position is changed in 3 horizontal steps.
- With SC-EH550, seat position is changed in 5 horizontal steps.

With virtual rear surround



SC-EH550



Concerning the display

The sound processor shows the level of each sound range with the three types of display described below. B

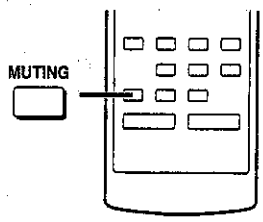
Press [DISPLAY MODE].
The spectrum display will change as follows.

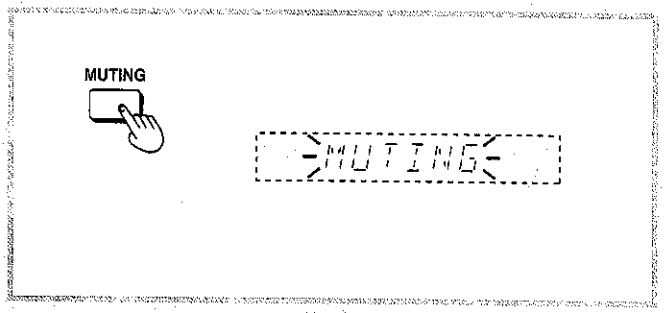
1 Normal display
This display indicates the strength of the sound in each tonal range.

2 Peak-hold display
The peak sound value of each sound range is held on the display for about one second after it occurs.

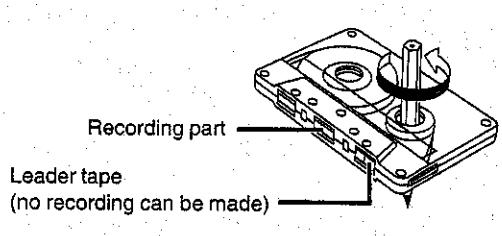
3 Aurora display
The peak sound value of each sound range is displayed in inverted form.

A





B



To mute the volume A

This feature is convenient when you have a telephone call, etc.

by remote control only

Press [MUTING].

To cancel, press [MUTING] once again. "MUTING" goes out.

To cancel from the tuner amplifier, reduce the volume level to the minimum position (-- dB) and then reset to the desired volume.

When the system is turned off, the muting operation will be automatically cancelled.

Before recording (Deck 2 only)

Note

You cannot record when [6CH DISCRETE INPUT] is selected. ("ERROR" appears.)

Types of tapes which can be recorded correctly

The unit automatically identifies the type of tape.

Normal position/TYPE I	○
High position/TYPE II	○
Metal position/TYPE IV	○

How to advance the leader tape B

Wind the leader tape forward so that recording can start as soon as you press the button.

About the Dolby noise-reduction system

The Dolby noise-reduction system is designed to effectively reduce the annoying high-frequency "hissing" noise typical of cassette tapes. During recording, the system functions to increase the high-frequency sound level, and then, during playback, that same portion is weakened to bring it back to the previous level. This unit is equipped with the Dolby B NR-type.

Dolby B-type noise reduction:

Noise is reduced to about one-third.

Use this system when playing back tapes recorded by the Dolby-B noise-reduction system, such as prerecorded music tapes, etc.

Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

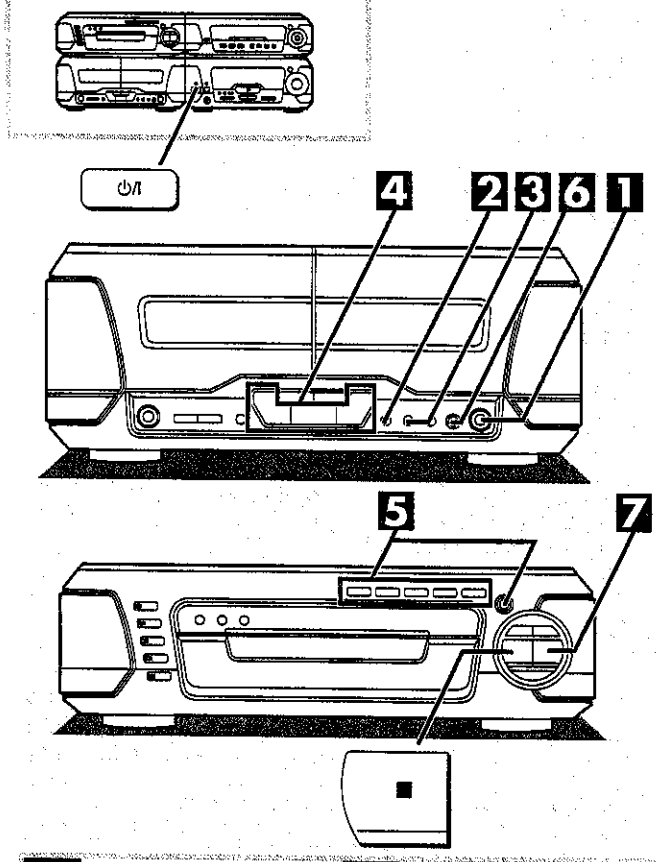
The effect of volume, sound quality and the surround effects on recording

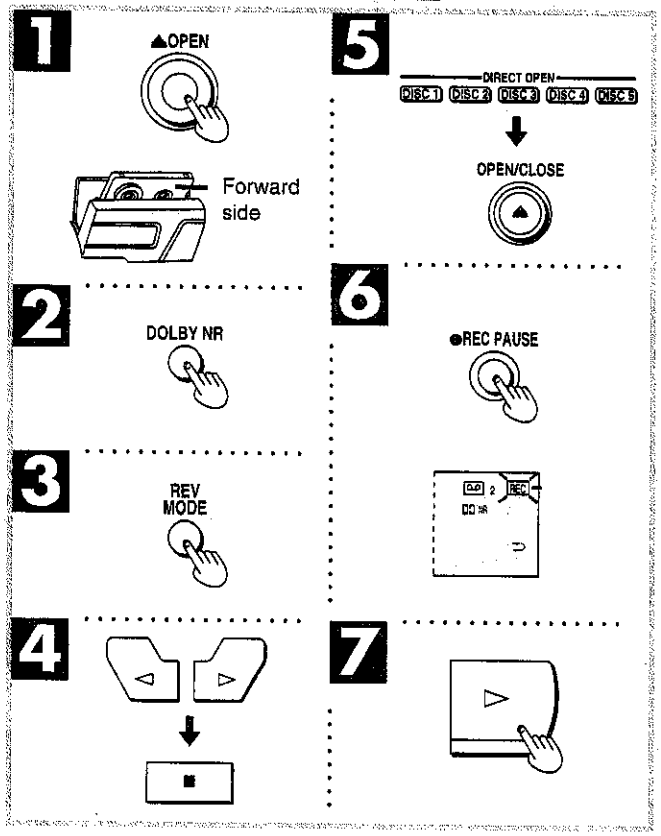
These have no effect on recording. Sound quality and surround effect are automatically set to flat when recording.

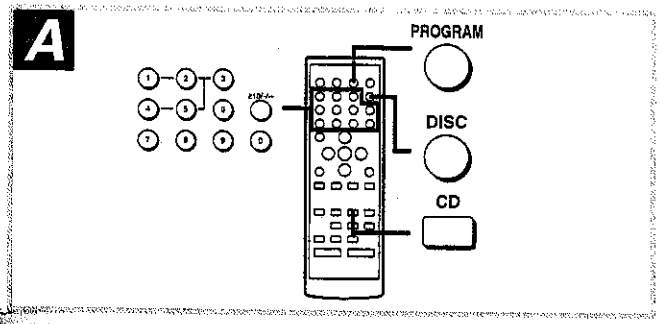
To erase recorded sounds

1. Press [INPUT SELECTOR] on the tuner amplifier to select "TAPE".
2. Insert the recorded tape into deck 2.
3. Press [DOLBY NR] so that the Dolby NR indicator is off.
4. Press [REV MODE] to select reverse mode.
5. Press [● REC PAUSE].
6. Press [◁] or [▷], whichever side you want to erase.

Your attention is drawn to the fact that recording pre-recorded tapes or discs or other published or broadcast material may infringe copyright laws.







Recording from compact discs

For SC-EH750

Normal recording

Preparation:

- Press [⏻/I] to turn the unit on.
- The leader tape must be wound beforehand (➡ page 37).

1 Press [▲ OPEN] on deck 2, and then insert the tape with the exposed part of the tape facing downward.

It is better to use a tape slightly longer than the CD playing time when recording.

Close the holder.

2 To record in Dolby B NR;

Press [DOLBY NR] and check "DD NR" is displayed.

3 Press [REV MODE] to select the reverse mode.

⇄: One side will record, then recording will stop automatically.

⇄⊃, ⊂⇄⊃: Both sides will record (forward side→reverse side), then recording will stop automatically.

4 Set the tape travel direction.

To change the tape travel direction, first press [◁] or [▷] on the cassette deck, then [■].

▷: Recording from the forward side

◁: Recording from the reverse side

5 Insert CDs in the trays.

(➡ page 17.)

6 Press [● REC PAUSE] to put the cassette deck into the recording standby mode.

The playback indicators ◁ or ▷ will start flashing.

If you select "⊂⇄⊃" in step 3, the direction will automatically change to "⇄⊃" when you press [● REC PAUSE].

7 Press [▷] on the CD changer.

Recording will begin from the first track of the disc shown on the display.

To record from disc 1, press [DISC, 1].

Approximately 4 seconds after the CD finishes playing, the cassette deck will automatically put recording on standby.

To stop recording:

●To add a 4 second silent interval before stopping

Press [■] on the CD changer.

The cassette deck will go into the recording standby state.

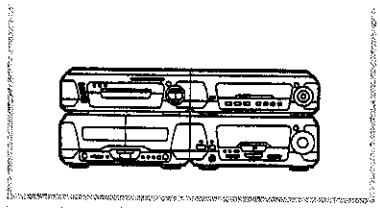
●To stop recording without a silent interval

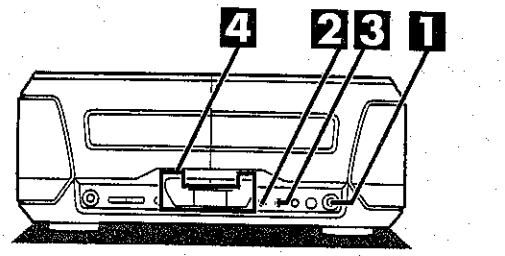
Press [■] on the cassette deck.

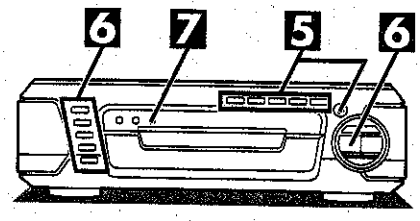
The CD changer does not stop.

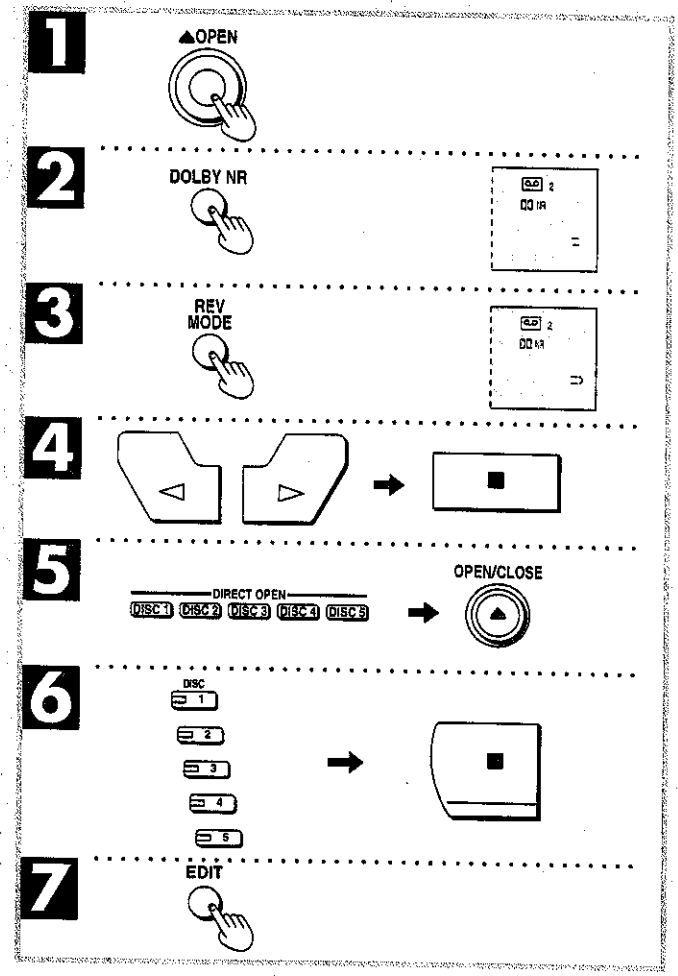
To record programmed tracks A

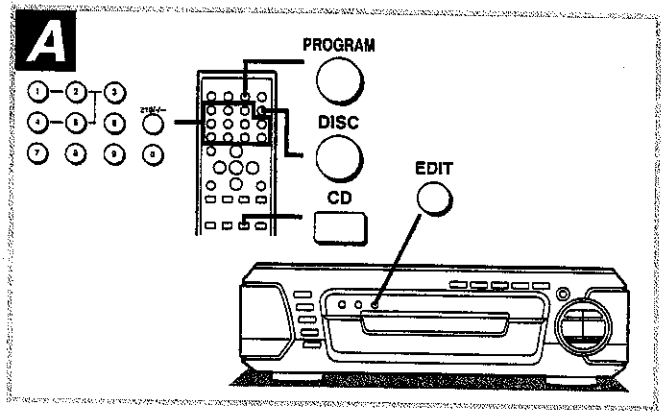
① Perform steps 1–5 above, and then press [CD] on the remote control.
② Press [PROGRAM] on the remote control.
③ Press [DISC] on the remote control.
④ Select the CD from the remote control with buttons 1–5.
⑤ Select the track number from the remote control with the numeric button(s).
⑥ Repeat steps ③ through ⑤ until all desired tracks are programmed (max. 24 tracks).
⑦ Perform steps 6 and 7 above.











Recording from compact discs

For SC-EH750

One-touch editing

This function makes it easier for you to record from discs.
- When recording, if a track is cut off in the middle at the end of the front side, it is recorded from the beginning on the reverse side.
- At the end of the reverse side recording stops and the current track will be interrupted.

Preparation:
The leader tape must be wound on beforehand (➡ page 37).

1 Press [▲ OPEN] on deck 2, and then insert a tape with the exposed part of the tape facing downward.
It is better to use a tape slightly longer than the CD playing time when recording.
Close the holder.

2 To record in Dolby B NR;
Press [DOLBY NR] and check "DD NR" is displayed.

3 Press [REV MODE] to select the reverse mode.
⇄: One side will record, then recording will stop automatically.
⇄, ⊂⇄: Both sides will record (forward side→reverse side), then recording will stop automatically.

4 Set the tape travel direction.
To change the tape travel direction, first press [◁] or [▷] on the cassette deck, then [■].
▷: Recording from the forward side
◁: Recording from the reverse side

5 Insert CDs in the trays.
(➡ page 17.)

6 Specify the disc (DISC, 1–5) you want to start recording from. Then, press [■] on the CD changer.

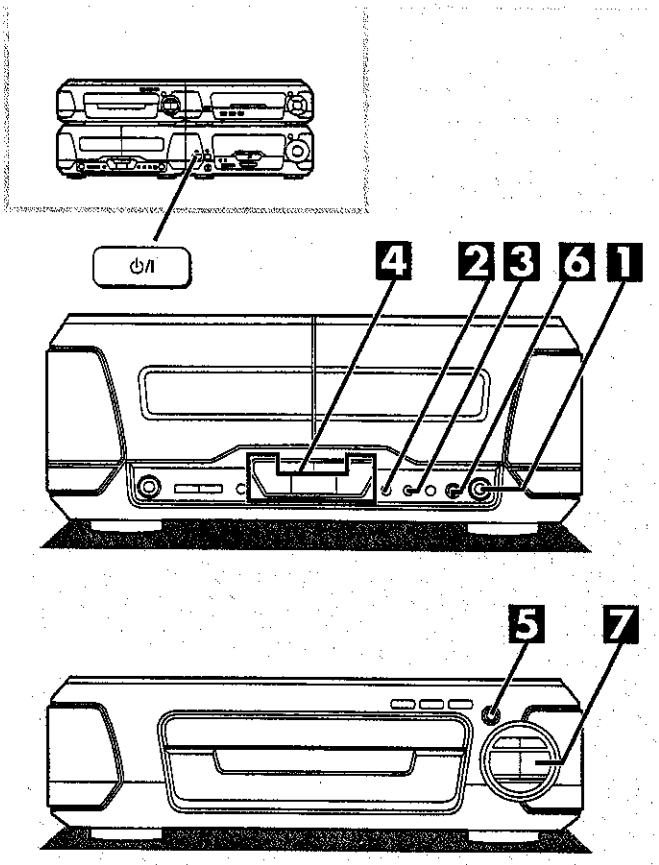
7 Press [EDIT].
The recording will start from the first track of the disc shown on the display. In the meantime, "CD EDIT" will scroll across the display from right to left.
If you select "⊂⇄" in step 3, the direction will automatically changes to "⇄" when you press [EDIT].

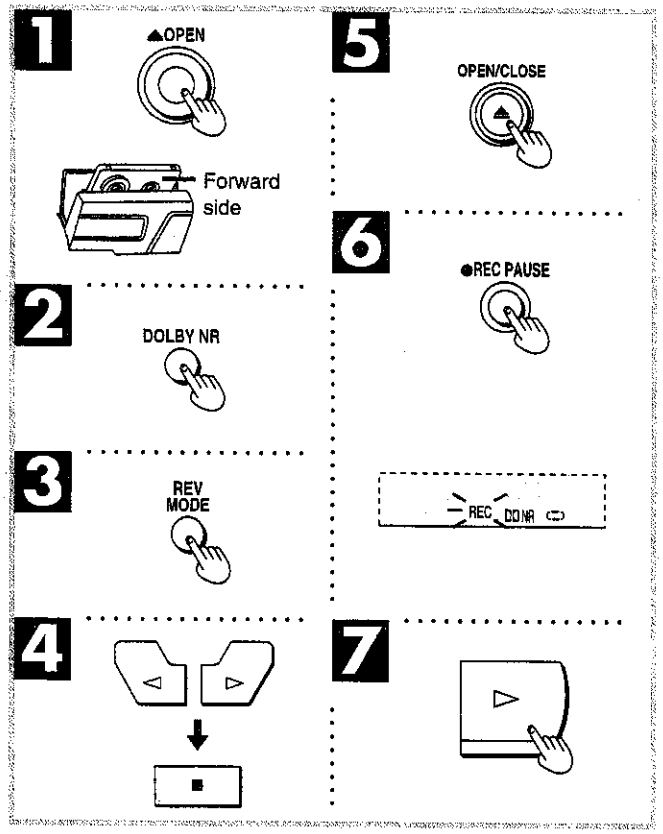
To stop one-touch editing:
Press [■] on the cassette deck.
The CD changer also stops.
"EDIT OUT" will scroll across the display from right to left.

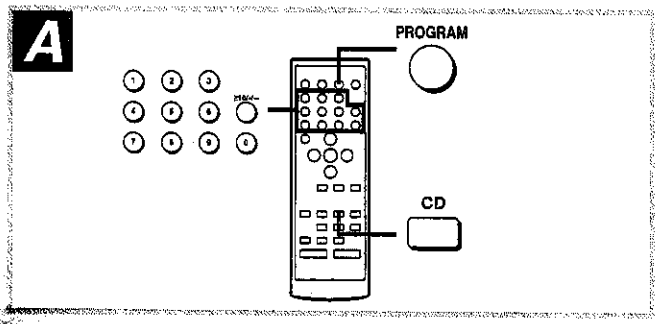
To edit-record programmed tracks A

① Perform steps 1–5 above, and then press [CD] and [PROGRAM] on the remote control.
② Select the disc you want to record with [DISC] and the numeric buttons (1–5).
③ Select the track number from the remote control with the numeric buttons.
④ Repeat step ③ until all desired tracks are programmed (max. 24 tracks).
⑤ Press [EDIT]. Recording will begin.

After edit-recording has finished:
The tape deck automatically stops.







Recording from compact discs

For SC-EH550

Normal recording

Preparation:

- Press [⏻/I] to turn the unit on.
- The leader tape must be wound on beforehand (➡ page37).

1 Press [▲ OPEN] on deck 2, and then insert the tape with the exposed part of the tape facing downward.

It is better to use a tape slightly longer than the CD playing time when recording.

Close the holder.

2 To record in Dolby B NR;

Press [DOLBY NR] and check "□□ NR" is displayed.

3 Press [REV MODE] to select the reverse mode.

⇄: One side will record, then recording will stop automatically.

⇄⊃, ⊂⇄⊃: Both sides will record (forward side→reverse side), then recording will stop automatically.

4 Set the tape travel direction.

To change the tape travel direction, first press [◁] or [▷] on the cassette deck, then [■].

▷: Recording from the forward side

◁: Recording from the reverse side

5 Press [▲ OPEN/CLOSE] to load a CD.

Press [▲ OPEN/CLOSE] again to close the tray.

6 Press [● REC PAUSE] to put the cassette deck into the recording standby mode.

The playback indicators ◁ or ▷ will start flashing.

If you select "⊂⇄⊃" in step 3, the direction will automatically change to "⇄⊃" when you press [● REC PAUSE].

7 Press [▷] on the CD player.

The recording will automatically start corresponding to the tape travel direction.

Approximately 4 seconds after the CD finishes playing, the cassette deck will automatically put recording on standby.

To stop recording:

●To add a 4 second silent interval before stopping

Press [■] on the CD player.

The cassette deck will go into the recording standby state.

●To stop recording without a silent interval

Press [■] on the cassette deck.

The CD player does not stop.

To record programmed tracks A

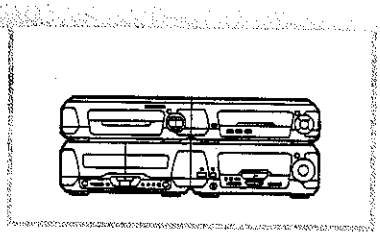
① Perform steps 1–5 above, and then press [CD] on the remote control.

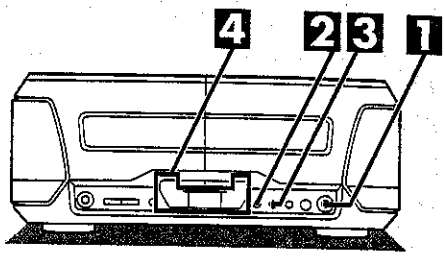
② Press [PROGRAM] on the remote control.

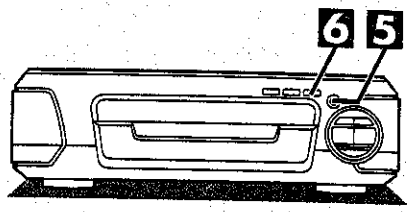
③ Select the track number from the remote control with the numeric button(s).

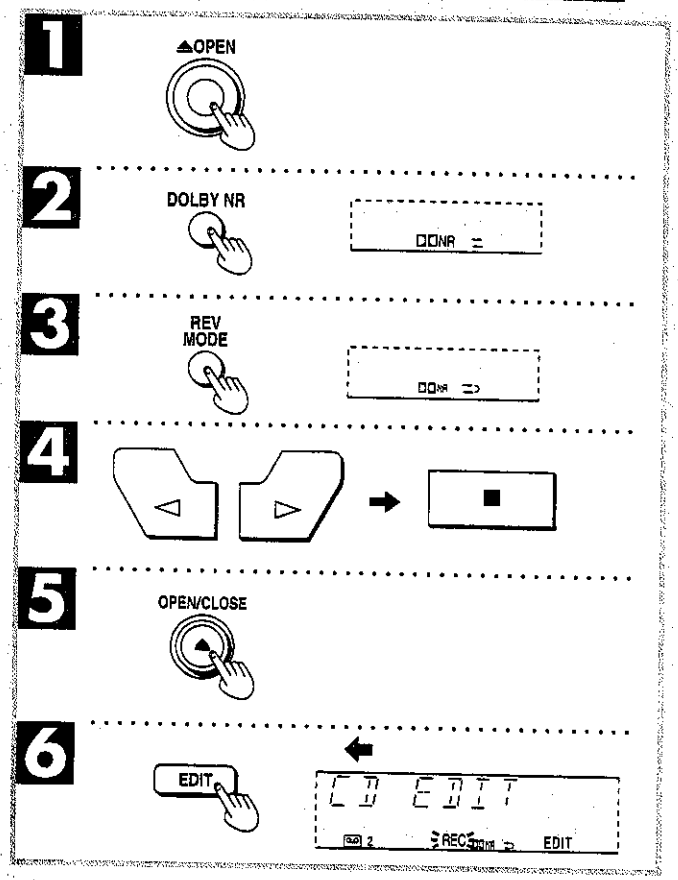
④ Repeat step ③ until all desired tracks are programmed (max. 24 tracks).

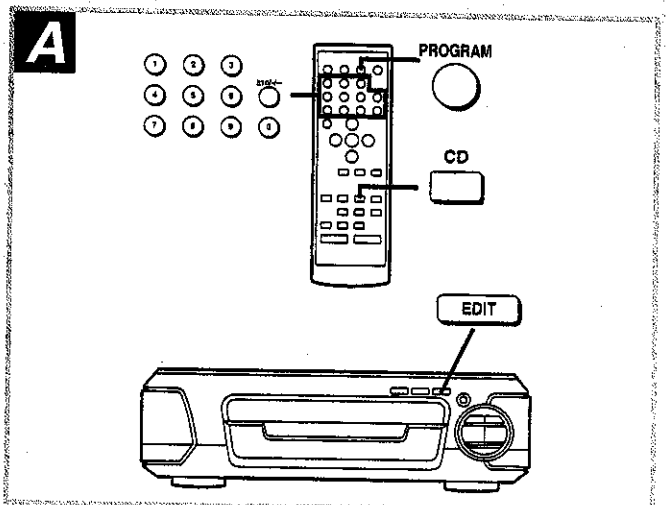
⑤ Perform above steps 6 and 7.











Recording from compact discs

For SC-EH550

One-touch editing

This function makes it easier for you to record from discs.

- When recording, if a track is cut off in the middle at the end of the front side, it is recorded from the beginning, on the reverse side.
- At the end of the reverse side recording stops and the current track will be interrupted.

Preparation:
The leader tape must be wound on beforehand (➡ page 37).

1 **Press [⏏ OPEN] on deck 2, and then insert a tape with the exposed part of the tape facing downward.**
It is better to use a tape slightly longer than the CD playing time when recording.
Close the holder.

2 To record in Dolby B NR;
Press [DOLBY NR] and check "DD NR" is displayed.

3 **Press [REV MODE] to select the reverse mode.**
⇄: One side will record, then recording will stop automatically.
⇄⊃, C⇄⊃: Both sides will record (forward side→reverse side), then recording will stop automatically.

4 **Set the tape travel direction.**
To change the tape travel direction, first press [◁] or [▷] on the cassette deck, then [■].
▷: Recording from the forward side
◁: Recording from the reverse side

5 **Press [⏏ OPEN/CLOSE] to load a CD.**
Press [⏏ OPEN/CLOSE] again to close the tray.

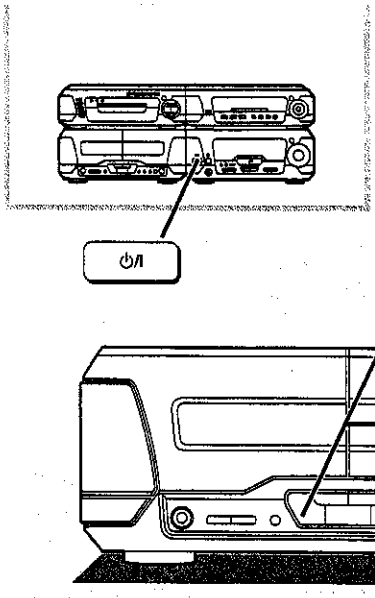
6 **Press [EDIT].**
The recording will start. In the meantime, "CD EDIT" will scroll across the display from right to left.
If you select "C⇄⊃" in step 3, the direction will automatically change to "⇄⊃" when you press [EDIT].

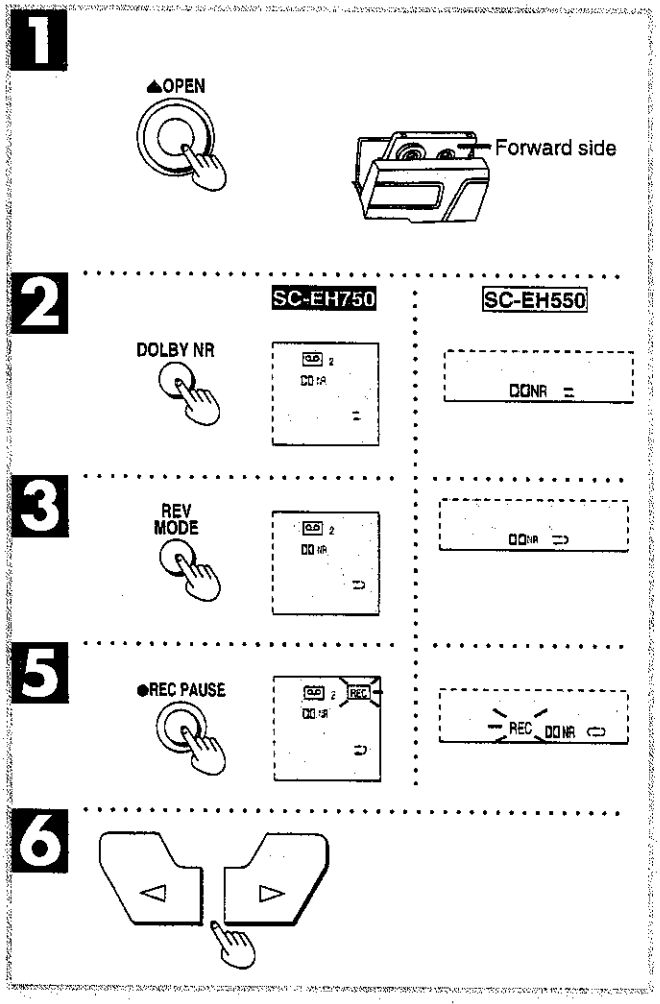
To stop one-touch editing:
Press [■] on the cassette deck.
The CD player also stops.
"EDIT OUT" will scroll across the display from right to left.

To edit-record programmed tracks A

① Perform steps 1–5 above, and then press [CD] then press [PROGRAM] on the remote control.
② Select the track number from the remote control with the numeric buttons.
③ Repeat step ② until programming all tracks (max. 24 tracks).
④ Press [EDIT]. Recording will begin.

After edit-recording has finished:
The tape deck automatically stops.





Recording from radio broadcasts

Preparation:
- The leader tape in deck 2 must be wound on beforehand. (➡ page 37)
- Press [⏻/I] to turn the unit on.

1 **Press [▲ OPEN] on deck 2 and insert the tape with the exposed part of the tape facing downward.**
Close the holder.

2 To record in Dolby B NR:
Press [DOLBY NR] and check "DD NR" is displayed.

3 **Press [REV MODE] to select the reverse mode.**
⇄: One side will record, then recording will stop automatically.
⇄⊃, ⊂⇄⊃: Both sides will record (forward side→reverse side), then recording will stop automatically.

4 **Tune in the desired station.**
(➡ page 15)

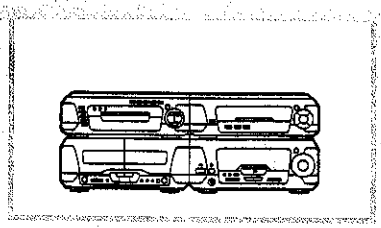
5 **Press [● REC PAUSE] to put the cassette deck into the recording standby mode.**
The playback indicators ◁ or ▷ will start flashing.
If you select "⊂⇄⊃" in step 3, the direction will automatically change to "⇄⊃" when you press [● REC PAUSE].

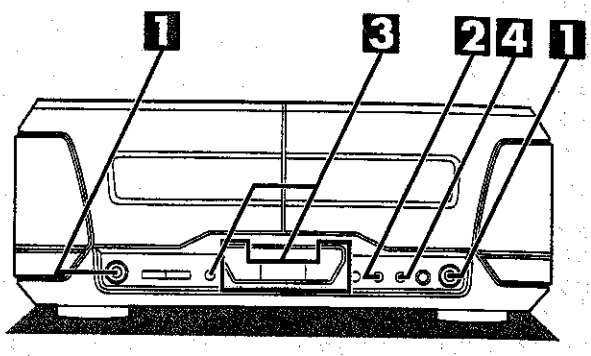
6 **Press [◁] or [▷] to start recording.**
▷: To begin recording from the forward side.
◁: To begin recording from the reverse side.

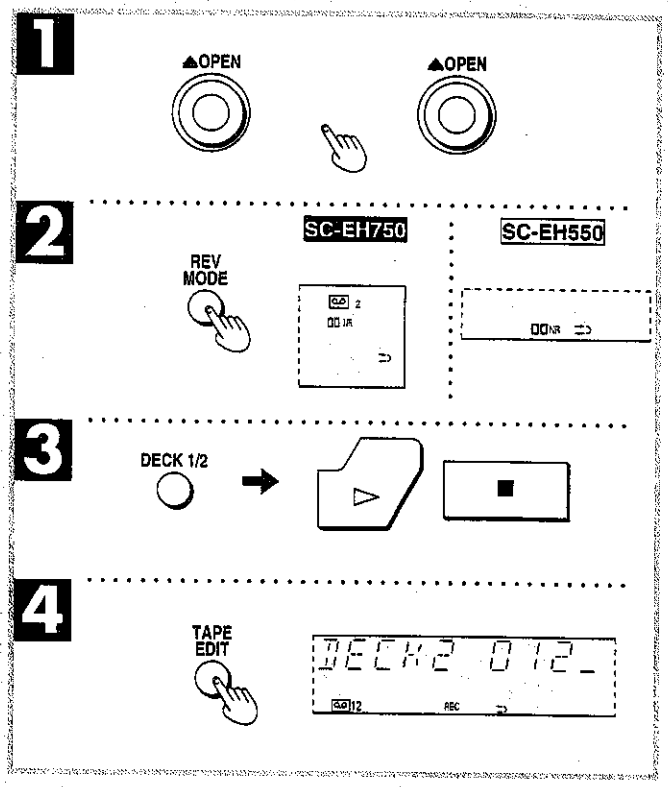
To stop recording:
Press [■].

To display the tape counter while recording:
Press [COUNTER DISPLAY].
The tape counter will be displayed for approximately 5 seconds. This is a useful way for knowing what point of the tape you're at.

To cut an unnecessary part while recording:
1. Press [● REC PAUSE].
   The cassette deck will go into the recording standby state.
2. To resume recording, press [◁] or [▷], whichever playback indicator is flashing.







Tape-to-tape recording

Preparation:

- The leader tapes in both decks must be wound up beforehand. (➡ page 37.)
- Press [⏻/I] to turn the unit on.

1 Press [▲ OPEN] on the both decks and insert the tapes.

DECK 1: For playback
DECK 2: For recording
Close the holders.

2 Press [REV MODE] to select the reverse mode.

⇄: Single-sided recording
⇄⊃ ⊂⇄⊃: Two-sided recording (forward side→reverse side)

3 Set the tape direction "▷" of deck 1 and 2.

Press [DECK 1/2] and confirm both deck's tape directions are "▷".
To change the tape direction, first press [▷], and then [■].
To record on the reverse side, set deck 2 to "◁".

4 Press [TAPE EDIT] to start recording.

If you select "⊂⇄⊃" in step 3, when you press [TAPE EDIT], "⊂⇄⊃" will be automatically switched over to "⇄⊃".

The tape direction indicator (◁ or ▷) shows deck 2 direction.
If either deck 1 or deck 2 stops, the other deck also stops.

To stop recording:

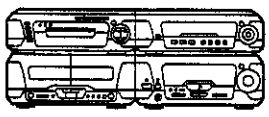
Press [■].
Both decks will stop.

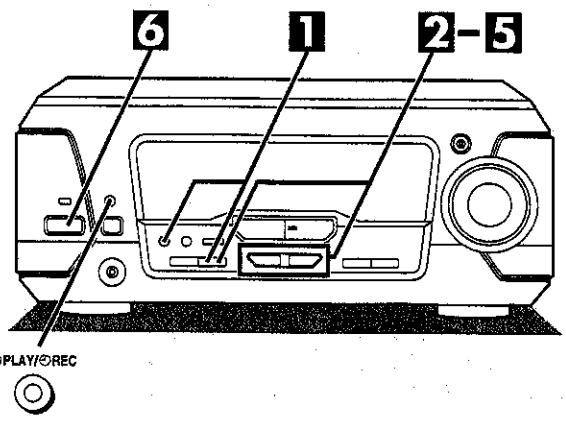
To enjoy another source while recording:

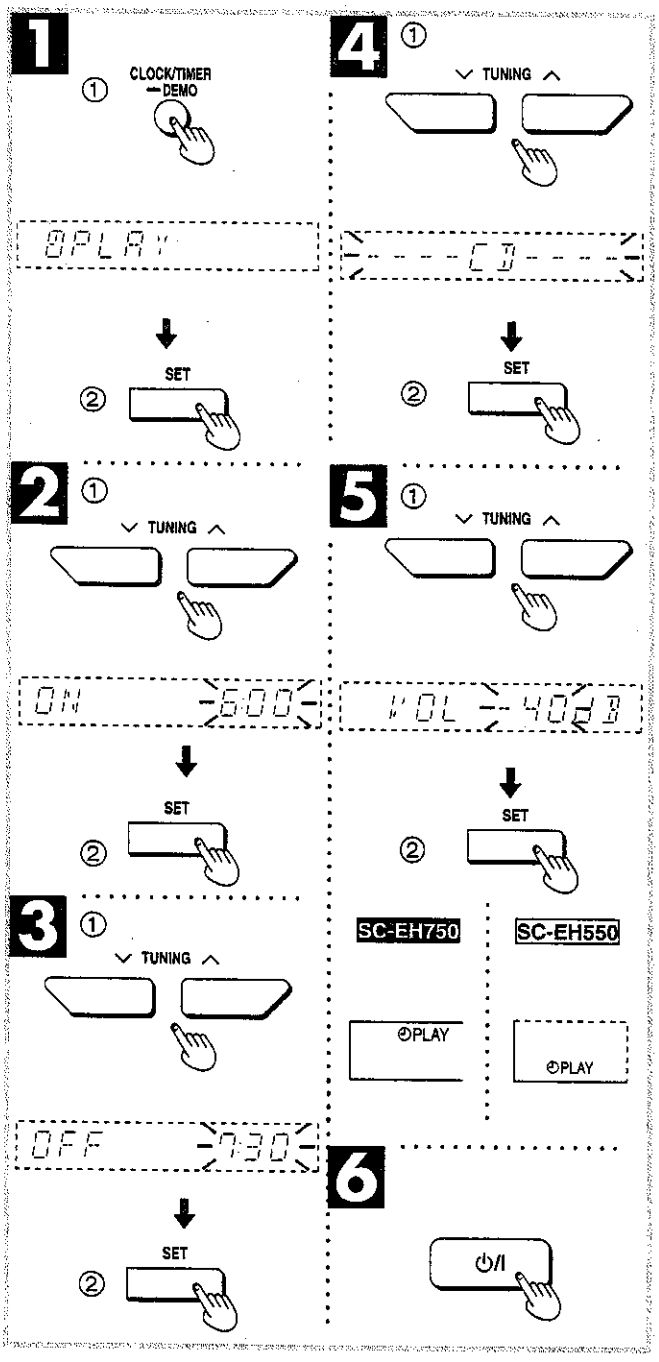
Start playing the other sound source.
You can change the volume level and tone quality without affecting the recording.

Note

The recording level and the noise reduction effect of the original (playback) tape will be recorded on the new tape.







Using the timer

Setting the play timer

This timer starts play of the selected source at the selected time. The example shows settings for a CD to play between 6:00 and 7:30 at −40 dB.

Preparation:
Turn on the power, set the time (➡ page 13), preset radio stations if you want the timer to start playing the radio (➡ page 14).

1 **① Press [CLOCK/TIMER, –DEMO] to select "⏲ PLAY".**

② Press [SET] within 3 seconds.

2 **("ON" time setting)**

① Press [TUNING (∨ or ∧)] to show the time to start playing.

② Press [SET].

3 **("OFF" time setting)**

① Press [TUNING (∨ or ∧)] to show the time to finish playing.

② Press [SET].

4 **① Press [TUNING (∨ or ∧)] to select the desired source.**

The display will change as follows.
CD⟷TAPE⟷TUNER

Insert a CD or tape if you select these sources.

② Press [SET].

When you select "TUNER", select a desired preset channel using [TUNING (∨ or ∧)], and then press [SET].

5 **① Press [TUNING (∨ or ∧)] to adjust the volume level for the timer play.**

② Press [SET].

The display will show ON time, OFF time, the source you select, and the volume level alternately, and then resumes the previous display.
Please confirm "⏲ PLAY".

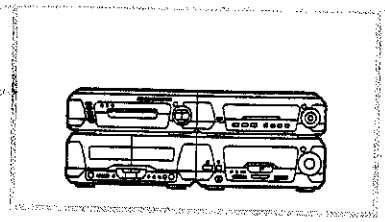
6 **Press [⏻/I] to switch the power to standby mode.**

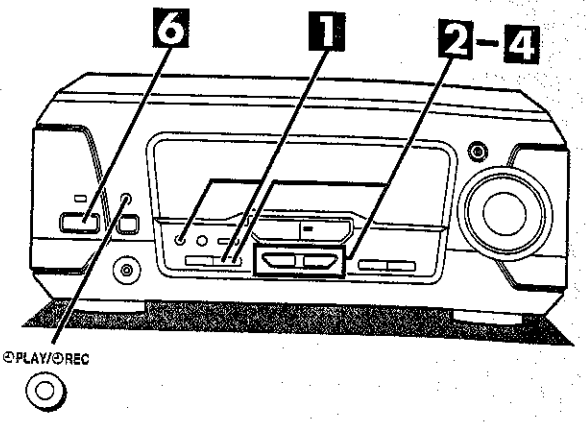
The timer play will start at the preset time with volume increasing gradually up to the volume level you preset.

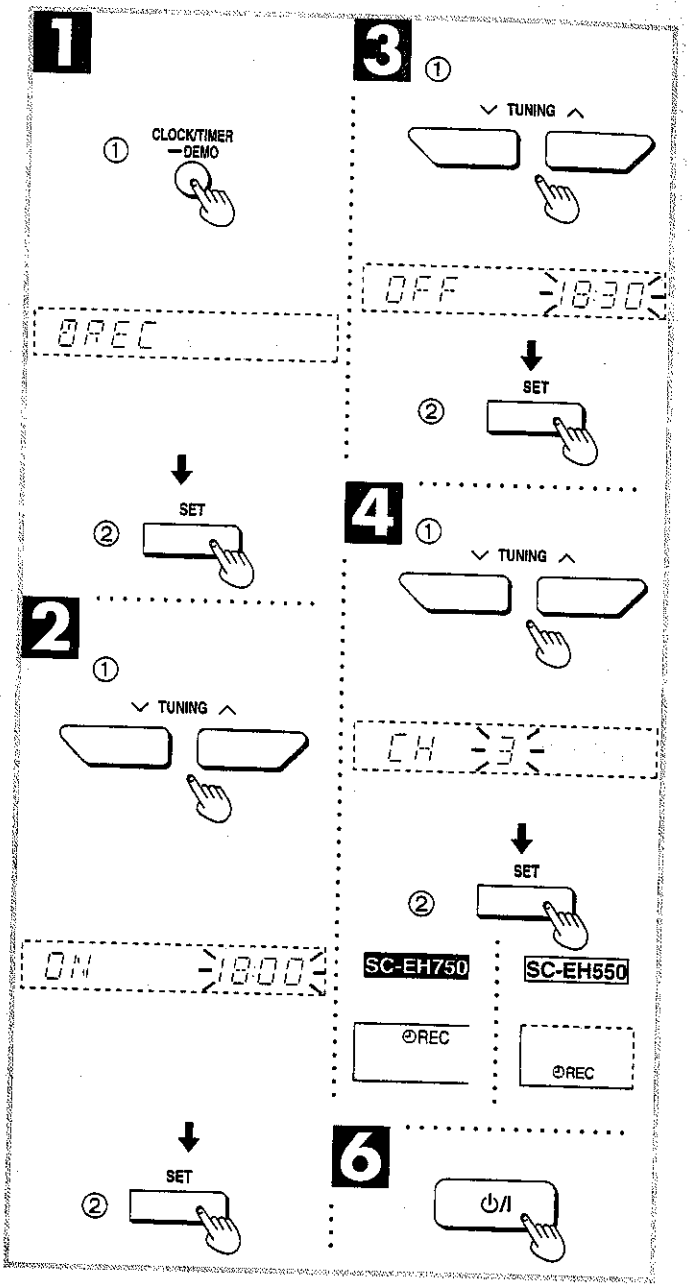
To cancel the timer:
Turn the unit on and press [⏲ PLAY/⏲ REC] to put out "⏲ PLAY".
Each time you press the button,
⏲ PLAY→⏲ REC→⏲ PLAY ⏲ REC→Light off (OFF)

The play timer function will be canceled, but the settings stay in the memory.

For your reference:
When you insert cassettes in decks 1 and 2, deck 1 has priority for timer play on tape.







Setting the record timer

This timer records the radio at the set time.
The example shows settings for recording preset channel 3 from 18:00 to 18:30.

Preparation:
Turn on the power, set the time (➡ page 13), preset radio stations (➡ page 14).

1 **① Press [CLOCK/TIMER, –DEMO] to select "⏲ REC".**

② Press [SET] within 3 seconds.

2 **("ON" time setting)**

① Press [TUNING (∨ or ∧)] to show the time to start recording.

② Press [SET].

3 **("OFF" time setting)**

① Press [TUNING (∨ or ∧)] to show the time to finish recording.

② Press [SET].

4 **① Press [TUNING (∨ or ∧)] to select the desired preset channel.**

The display will change as follows.
CH1⟷CH2...CH38⟷CH39

② Press [SET].

The display will show ON time, OFF time, the broadcast station you select alternately, and then resumes the previous display.
Please confirm "⏲ REC".

5 **Prepare for recording.**

1. Insert a tape into deck 2.
2. Select the Dolby NR mode.
3. Select the reverse mode.
4. Select the tape travel direction.

6 **Press [⏻/I] to switch the power to standby mode.**

The timer recording will start 30 seconds before the set time.
The sound will be automatically muted during timer recording.

To cancel the timer:

Turn the unit on and press [⏲ PLAY/⏲ REC] to put out "⏲ REC".
Each time you press the button,
⏲ PLAY→⏲ REC→⏲ PLAY ⏲ REC→Light off (OFF)

The record timer function will be canceled, but the settings stay in the memory.

Using play/record timer

If you set the timer incorrectly
Repeat the procedure from step 1.

Checking the timers
Press [CLOCK/TIMER, –DEMO] to select "⏲ PLAY" (or "⏲ REC").
The contents of the timer selected will be displayed in the following order.
Play timer:
Start time→Finish time→Source→Volume
Record timer:
Start time→Finish time→Broadcast station you select

You can check the settings even when the system is OFF.

To enjoy a source after the timer setting is completed
You can enjoy the desired source after the timer setting is completed. The volume level and music source are stored in the timer memory and the timer will start in these preset conditions.

Note
- If the power is on, the timer will not function. The system must be in the standby mode.
- This system retains the ON/OFF time settings until you make a new setting. If you make a new ON time setting, you must make a new OFF time setting.
- The play and record timers function as set until you cancel them. The timers (either one or both) are set when the [⏲ PLAY/⏲ REC] lamp is on.

To use the sleep timer

by remote control only

The system will go into power standby mode at the set time (max. 2 hours, half hour intervals), so you can go to sleep listening to music. The example in the figure shows how to set the system to standby mode after 30 minutes.

While enjoying the desired source:
Press [SLEEP].
Each time you press the button, the display will change as follows:
SLEEP 30→SLEEP 60→SLEEP 90
↑ ↓
SLEEP OFF←——— SLEEP120

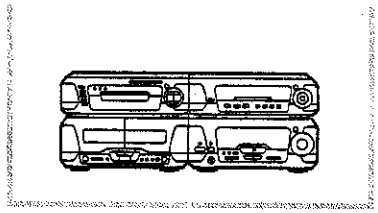
To cancel the sleep timer:
Press [SLEEP] to select "SLEEP OFF".

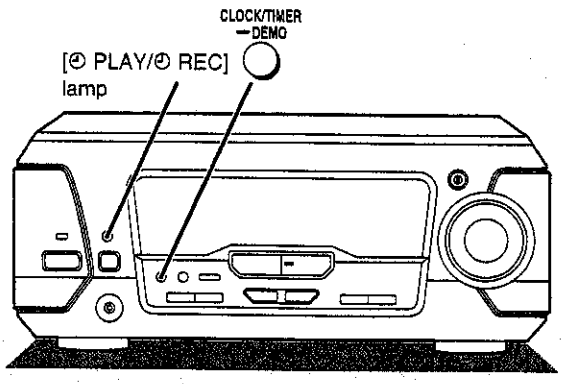
To confirm the remaining time of the sleep timer:
(While sleep timer is functioning:)
Press [SLEEP].
The remaining time will be displayed for 5 seconds.

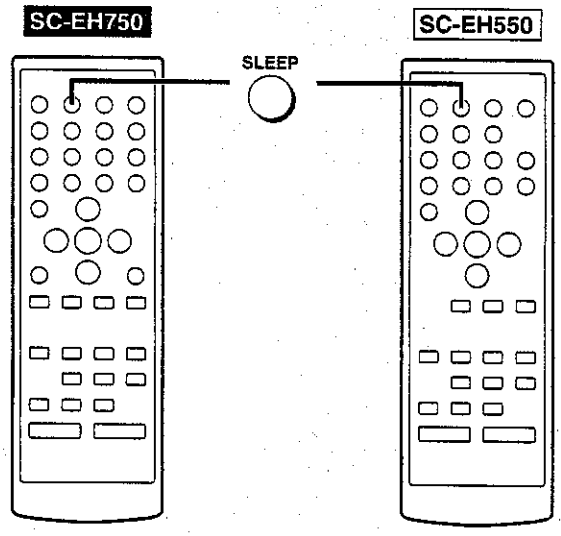
To change the timer setting while sleep timer is functioning:
1. Press [SLEEP].
   The remaining time will be displayed for 5 seconds.
2. Press [SLEEP] again to select the desired sleep timer.

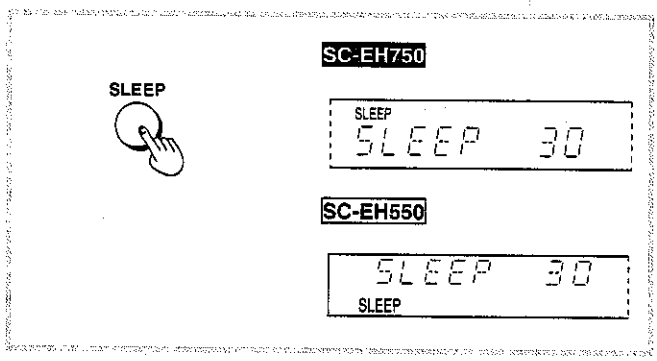
Using two timers together

You can use the sleep timer, play timer, and record timer together. Be aware that the sleep timer always has precedence. Ensure the times do not overlap.

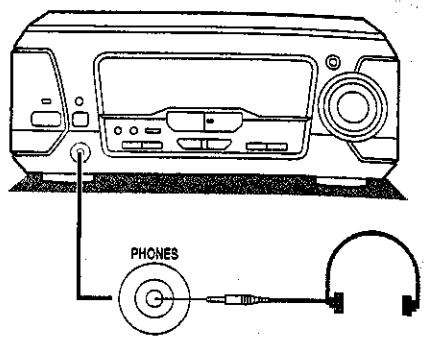








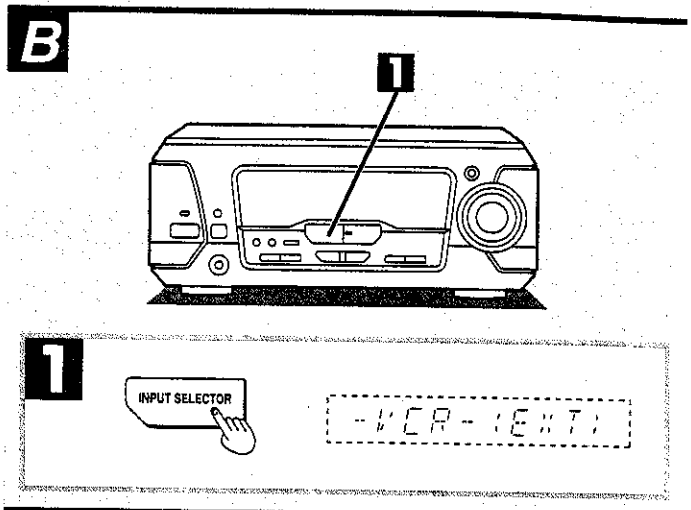
Using an external unit



To use headphones

A

- Before connecting, reduce the volume level.
- Avoid listening for prolonged periods of time to prevent hearing damage.
- Plug type: 3.5 mm stereo



Listening to an external source

B

1 Press [INPUT SELECTOR] to select the external source.

Each time you press this button, sound sources will be switched as follows.

SC-EH750

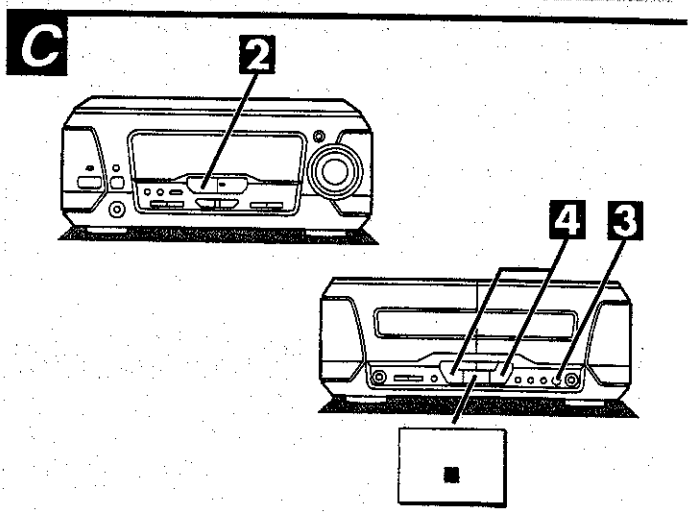
TUNER→CD→TAPE→VCR (EXT)→AUX (DVD)

SC-EH550

TUNER→CD→TAPE→VCR (EXT)

2 Operate the external unit which you have connected to the system.

Refer to your equipment's operating instructions.



Recording from an external source

C

1 Follow steps 1–3 on page 42.

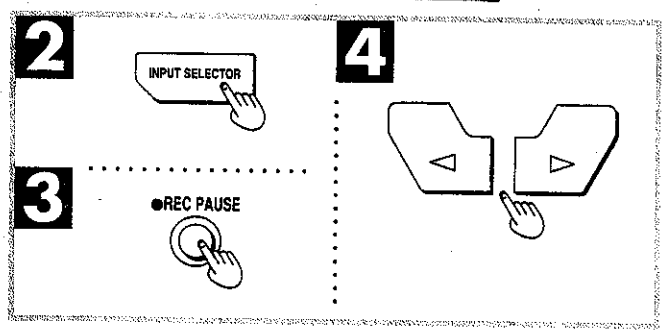
2 Press [INPUT SELECTOR] to select the external source.

3 Press [● REC PAUSE] to put the cassette deck into the recording standby mode.

4 Press [◁] or [▷] to start recording.

5 Start playing the source to be recorded.

Refer to your equipment's operating instructions.



To stop recording:

Press [■] on the cassette deck.

To briefly interrupt recording:

Press [● REC PAUSE].

The cassette deck will go into the recording standby mode.

To resume recording:

Press [◁] or [▷] corresponding to the direction in which recording is taking place.

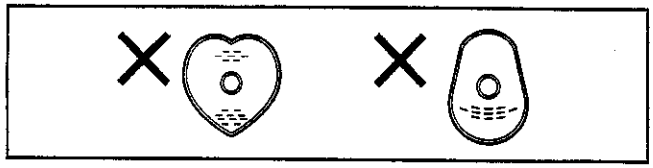
Recording on an external unit

First, select the source with [INPUT SELECTOR].

Start recording on an external unit, and then start playing the source to be recorded.

Concerning CDs

With this system, you can only play CDs having this mark.
However, do not use irregular shape CDs. CDs of the sort can damage the unit.



- If you are taking the CD from a cold to a warm environment, moisture may form on the CD. Wipe this off with a soft, dry, lint-free cloth before using the CD.
- Do not write on the label side with a ball-point pen or other writing instrument.
- Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
- Do not attach labels or stickers to CDs. (Do not use CDs with exposed adhesive from tape or left over peeled off stickers.)
- Do not use scratch-proof protectors or covers other than those specified for use with this system.

Concerning cassette tapes

Selection of cassette tapes

Tapes can get caught on the capstans. Use caution with the following types of tapes.

Cassette tapes exceeding 100 minutes
Tapes are made of a thin film material. Do not repeatedly advance and stop the tape, fast-forward it or rewind it.

Endless-tapes
For this unit, it is recommended to use tapes which are appropriate to the auto reverse mechanism.

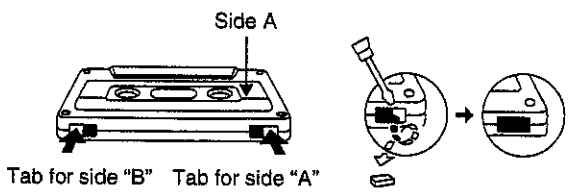
Always read the instructions provided with your tapes.

Tape slack

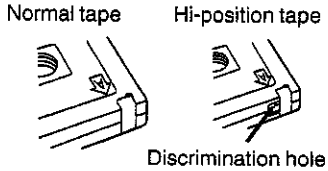
Tape slack may cause the tape to break.

Erasure prevention

Use a screwdriver or similar object to break out the tab.



To re-record



Suggestions for safety

Placement

Avoid placing the unit in areas of:
- direct sunlight
- high temperature
- high humidity
- excessive vibration
- uneven surfaces (Place the unit on a flat level surface.)

Such conditions might damage the cabinet and/or other component parts and thereby shorten the unit's service life.
To protect the unit against sound distortion and acoustical effects, please place the unit at least 15 cm away from wall surfaces etc.

Stacking

Never place heavy items on top of the unit or the AC power cord.

Voltage

- It is very dangerous to use an AC power source of high voltage such as for an air conditioner.
  A fire might be caused by such a connection.
- A DC power source cannot be used.
  Be sure to check the power source carefully, especially if on a ship or other place where DC is used.

Power cord protection

- Avoid cuts, scratches or poor connection of the AC power cord, as this may result in fire or electric shock.
  Excessive bending, pulling or slicing of the cord should also be avoided.
- Do not pull on the cord when you are disconnecting the power, as this could cause an electric shock. Grasp the plug firmly when you disconnect the power supply.
- Never touch the plug with wet hands or a serious electric shock could result.

Foreign materials

- Ensure that no foreign objects, such as needles, coins, screwdrivers etc., accidentally fall into the unit.
  Otherwise, a serious electric shock or malfunction could occur.
- Be extremely careful about spilling water or liquid on/into the unit, as a fire or electric shock could occur.
  (Disconnect the power plug and contact your dealer immediately if this occurs.)
- Avoid spraying insecticides onto the unit as they contain flammable gases which can be ignited.
- Insecticides, alcohol, paint thinner and similar chemicals should never be used to clean the unit as they can cause flaking or cloudiness to the cabinet finish.

Service

- Never attempt to repair, disassemble or reconstruct the unit if there seems to be a problem.
  A serious electric shock could result if you ignore this precautionary measure.
- If a problem occurs during operation (the sound is interrupted, indicators fail to light up, smoke is detected, etc.) contact your dealer or Authorized Service Center immediately.
- Disconnect the power supply if the unit will not be used for a long time. Otherwise the operation life could be shortened.

Technical specifications

SOUND PROCESSOR

■ EQ/SFP section

MANUAL GEQ
- Center frequency: 100 Hz, 315 Hz, 1 kHz, 3.15 kHz, 10 kHz
- Level control: ±3, 6, 9 dB

EQ SPACE mode
- 3 modes: HEAVY, CLEAR, HALL

3D acoustic image equalizer
- 3 modes: AI EQ, 3D AI 1, 3D AI 2

■ Pre-amplifier section SC-EH750

Input sensitivity/impedance
- VCR (EXT): 250 mV/15 kΩ
- AUX (DVD): 250 mV/15 kΩ
- DVD 6CH INPUT (L/R/LS/RS/C/SubW): 250 mV/15 kΩ

Output level
- VCR REC OUT: 250 mV/1.5 kΩ
- SUBWOOFER OUT: 2.5 V/2.2 kΩ

(For Australia and N.Z. only)

VIDEO OUTPUT
- MONITOR OUT: 1 Vp-p, 75Ω
- VCR REC OUT: 1 Vp-p, 75Ω

■ Pre-amplifier section SC-EH550

Input sensitivity/impedance
- VCR (EXT): 250 mV/15 kΩ

Output level
- VCR REC OUT: 250 mV/1.5 kΩ

■ DOLBY PRO LOGIC section SC-EH750

- PRO LOGIC mode: SURROUND
- CENTER mode: NORMAL
- DELAY TIME: 20 ms (Fixed)

■ VIRTUAL DOLBY SURROUND section SC-EH550

- Mode: VIRTUAL DOLBY SURROUND

■ AV SURROUND section

- AV surround mode: SIMULATED STEREO
  SC-EH750 SUPER SURROUND (MUSIC, MOVIE)

■ DSP CONTROL sectoin

- DSP control mode: SEAT POSITION
  SC-EH750 CENTER FOCUS,
  SC-EH750 VIRTUAL REAR SURROUND,
  SC-EH750 MULTI REAR SURROUND

■ Spectrum analizer section

- Display mode: NORMAL, PEAKHOLD, AURORA

■ General

- Dimensions (W×H×D): 293×89×269 mm
- Weight: SC-EH750 1.5 kg, SC-EH550 1.4 kg

TUNER AMPLIFIER

■ Amplifier section SC-EH750

Power output (at HIGH terminal)

DIN 1 kHz, THD 1%, both channels driven: 2×70 W (6Ω)

RMS 1 kHz, THD 10%, both channels driven: 2×100 W (6Ω)

PRO LOGIC mode (at HIGH terminal)

DIN 1 kHz, THD 1%
- MAIN (both channels driven): 2×70 W (6Ω)
- CENTER: 45 W (8Ω)
- SURROUND: 2×25 W (8Ω)

RMS 1 kHz, THD 10%
- MAIN (both channels driven): 2×100 W (6Ω)
- CENTER: 60 W (8Ω)
- SURROUND: 2×30 W (8Ω)

PMPO 1 kHz: 3,000 W (MAIN 6Ω, CENT. 8Ω, SURR. 8Ω)

Total harmonic distortion
- Rated power at 1 kHz: 1% (6Ω)
- Half power at 1 kHz: 0.1% (6Ω)

Load impedance
- MAIN (HIGH/LOW): total impedance 6Ω
- CENTER: 8Ω
- SURROUND: 8Ω

S. WOOFER
- Center frequency: 70 Hz
- LEVEL (VOL −20 dB): MID +8 dB, MAX +12 dB

■ Amplifier section SC-EH550

Power output

DIN 1 kHz, THD 1%, both channels driven: (HIGH) 2×35 W (6Ω), (LOW) 2×35 W (6Ω)

RMS 1 kHz, THD 10%, both channels driven: (HIGH) 2×40 W (6Ω), (LOW) 2×50 W (6Ω)

PMPO 1 kHz: 1,400 W (LOW 6Ω, HIGH 6Ω)

Total harmonic distortion
- Rated power at 1 kHz: 1% (6Ω)
- Half power at 1 kHz: 0.1% (6Ω)

Load impedance Main: (HIGH) 6Ω, (LOW) 6Ω

S. WOOFER
- Center frequency: 70 Hz
- LEVEL (VOL −20 dB): MID +8 dB, MAX +12 dB

■ FM tuner section

- Frequency range: 87.50–108.00 MHz (0.05 MHz steps)
- Sensitivity: 1.8 µV (IHF usable)
- S/N 26 dB: 1.5 µV
- S/N MONO: 70 dB (75 dB, IHF)
- Antenna terminal(s): 75Ω (unbalanced)

■ AM tuner section

- Frequency range: 522–1629 kHz (9 kHz steps), 520–1630 kHz (10 kHz steps)
- Sensitivity (S/N 20 dB): 500 µV/m

■ Timer section

- Clock: Quartz-lock type
- Function: Play timer (1 time, daily), Rec timer (1 time, daily), Sleep (120 min, 30 min intervals)
- Setting (Play/Rec): 1 minute–23 hours 59 minutes (1 min intervals)

■ General

Power supply
- (For United Kingdom, Australia and N.Z.): AC 230–240 V 50 Hz
- (For others): AC 230 V 50 Hz

Power consumption: SC-EH750 205 W, SC-EH550 110 W

Standby
- Normal mode: 11 W
- ECO mode: 0.6 W

Dimensions (W×H×D): 293×118.5×342.5 mm

Weight: SC-EH750 5.2 kg, SC-EH550 4.3 kg

CD player

■ Audio

- DA converter: 1 bit DAC MASH

■ Pickup

- Wavelength: 780 nm

■ General

Dimensions (W×H×D): SC-EH750 293×89×288 mm, SC-EH550 293×89×268 mm

Weight: SC-EH750 2.2 kg, SC-EH550 1.6 kg

CASSETTE DECK

- Deck system: Stereo cassette deck
- Track system: 4 track, 2 channel
- Recording system: AC bias
- Bias frequency: 100 kHz
- Erasing system: AC erase

Heads
- Deck 1 (Playback head): Permalloy head
- Deck 2 (Recording/Playback head): Permalloy head
- Deck 2 (Erasing head): Double gap ferrite head

Motors
- Deck 1, 2 Capstan drive: DC servo motor

- Tape speed: 4.8 cm/s
- Wow and flutter: 0.16% (WRMS)
- Fast forward and rewind times: Approx. 110 seconds with C-60 cassette tape

Frequency response (Dolby NR off)
- TYPE I (NORMAL): 20 Hz–16 kHz (DIN)
- TYPE II (HIGH): 20 Hz–16 kHz (DIN)
- TYPE IV (METAL): 20 Hz–16 kHz (DIN)

S/N (Signal level=max recording level, TYPE II type tape)
- NR off: 56 dB (A weighted)
- Dolby B NR on: 66 dB (A weighted)

Input sensitivity and impedance
- REC (IN): 400 mV/23 kΩ

Output voltage and impedance
- PLAY (OUT): 280 mV/360Ω

■ General

- Dimensions (W×H×D): 294×118.5×281 mm
- Weight: 2.1 kg

FRONT SPEAKER SC-EH750

- Type: 3 way, 3 speakers

Speaker(s)
- Super woofer: 17 cm cone type
- Woofer: 12 cm cone type
- Tweeter
  - (For Australia and N.Z.): 6 cm cone type
  - (For others): 6 cm ring shaped dome type

- Impedance: Total 6Ω
- Input power: Total 160 W (Music)
- Output sound pressure level: 84 dB/W (1.0 m)
- Cross over frequency: 200 Hz, 4 kHz

Frequency range
- (For Australia and N.Z.): 42 Hz–22 kHz (−16 dB), 46 Hz–20 kHz (−10 dB)
- (For others): 42 Hz–40 kHz (−16 dB), 46 Hz–36 kHz (−10 dB)

■ General

Dimensions (W×H×D)
- (For Australia and N.Z.): 254×416×246 mm
- (For others): 254×412×246 mm

- Weight: 5.9 kg

FRONT SPEAKER SC-EH550

- Type: 3 way, 3 speakers

Speaker(s)
- Super woofer: 14 cm cone type
- Woofer: 12 cm cone type
- Tweeter: 6 cm cone type

- Impedance: Total 6Ω
- Input power: Total 70 W (Music)
- Output sound pressure level: 84 dB/W (1.0 m)
- Cross over frequency: 200 Hz, 4 kHz
- Frequency range: 46 Hz–22 kHz (−16 dB), 50 Hz–20 kHz (−10 dB)

■ General

- Dimensions (W×H×D): 254×416×246 mm
- Weight: 5.6 kg

CENTER SPEAKER SC-EH750

- Type: 2 way, 2 speakers

Speaker
- Woofer: 10 cm cone type
- Tweeter: 6 cm cone type

- Impedance: 8Ω
- Input power: 120 W (Music)
- Output sound pressure level: 85 dB/W (1.0 m)
- Cross over frequency: 4 kHz
- Frequency range: 75 Hz–22 kHz (−16 dB)

■ General

- Dimensions (W×H×D): 250×121×147 mm
- Weight: 1.6 kg

SURROUND SPEAKER SC-EH750

- Type: 1 way, 1 speaker

Speaker
- Full range: 8 cm cone type

- Impedance: 8Ω
- Input power: 60 W (Music)
- Output sound pressure level: 84 dB/W (1.0 m)
- Frequency range: 120 Hz–20 kHz (−16 dB)

■ General

- Dimensions (W×H×D): 170×106×118 mm
- Weight: 0.9 kg

Note:

1. Specifications are subject to change without notice.
   Weight and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

Troubleshooting guide

Before requesting service for this unit, check the chart below for a possible cause of the problem you are experiencing. Some simple checks or a minor adjustment on your part may eliminate the problem and restore proper operation.
If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem, refer to the directory of Authorized Service Centers (enclosed with this unit) to locate a convenient service center, or consult your dealer for instructions.

Problem	Probable cause(s)	Suggested remedy	Page
Common problems			
ECO mode is on but the display panel still lights up.	DEMO mode is on.	Turn DEMO mode off.	12
Humming is heard while playing.	A power cord or fluorescent lamp is located in the vicinity of cables.	Keep electric appliances away from the stereo. Try plugging the cord in the other way.	
Only one speaker is emitting sound.	One of the wires of the speaker cord is disconnected.	Connect the speaker cord correctly.	6, 7
There is no sound when a source is being played.	The (+) and (−) wire of the speaker cords are shorted.	Switch the system to the standby mode, and reconnect the speaker cords so that they are not shorted. Then switch on the power.	
"U70" appears on the display.	Flat cables are not connected steadily.	Connect the flat cable steadily. When the "U70" display is not cleared after the flat cable have been connected properly, the unit is damaged. Consult your dealer.	6, 7
"ERROR" message appears on the display.	Wrong operation has been done.	Operate the unit correctly by following the operating instructions.	
"--:--" appears on the display.	• You plugged the power cord in for the first time. • There was a power failure recently.	Set the time.	13
While listening to FM broadcasts			
There is a "rushing noise" during a stereo broadcast which is not audible during a monaural broadcast.	The transmitting station is a long distance away.	If you are using an indoor antenna, change to an outdoor antenna.	9
You hear excessive noise during a stereo broadcast, and occasionally the sound disappears.	The installation location and orientation of the antenna are unsuitable.		
The stereo indicator flickers and does not light completely.	The transmitting station is a long distance away.		
	The power of the TV set or VCR is ON.	Try switching off the TV set or VCR.	
The sound during a stereo broadcast is highly distorted.	There is a building or mountain nearby. [Distortion is caused by interference between the signal from the transmitting station (direct wave) and the signal reflected from the building or mountain (reflected wave).]	Use a high-grade outdoor antenna, and install it in a good location, height, and orientation for reception.	9
While listening to AM broadcasts			
You hear an unusual beat sound.	You are using the system at the same time you are playing a TV set.	Switch off the TV set, or use the system further away from it.	
You hear a low-frequency hum.	The antenna wire is too close to the flat cables/power cord.	Move the antenna away from the flat cables/ power cord.	
The correct frequency can not be received.	Frequency step is set to 10 kHz.	Hold down the [TUNER/BAND] for about 10 seconds (change frequency step to 9 kHz).	
When there is a television set nearby			
The picture on the TV disappears or stripes appear on the screen.	The location and orientation of the antenna are incorrect.	If you are using an indoor antenna, change to an outdoor antenna.	
	The TV antenna wire is too close to the system.	Separate the antenna wire of the TV set from the system.	

Problem	Probable cause(s)	Suggested remedy	Page
While listening to tapes			
Sound is low, intermittent, or poor quality, noisy, scratchy, or unsteady.	Heads are dirty.	Clean the heads.	51
	Dolby noise reduction is set in the wrong position.	Set it to match the Dolby NR recording mode.	24
The deck does not enter the recording mode.	The erase-prevention tabs are removed from the cassette.	Attach tape to cover the space left by removal of the erase-prevention tabs.	48
While listening to compact discs			
The display will not show the correct indication. Disc play does not start when you press the play button.	The disc is loaded upside down.	Reload the disc.	17, 21
	The disc is dirty.	Wipe the disc with a soft cloth.	
	The disc is scratched.	Replace the disc with a new one.	
	The disc is badly warped.		
	The disc is nonstandard.	Replace the disc with a different one.	
	There is condensation inside the CD changer or the CD player.	Wait for 60 minutes before using the CD changer or the CD player.	
A certain music passage can't be played correctly.	The disc is dirty.	Wipe the disc with a soft cloth.	
"TAKE OUT/DISC" appears on the display.	There is a problem with the CD mechanism. (A power failure may have occurred.)	The tray will open automatically. Remove the CD from the tray, and after ensuring there is no CD in the tray close it. The unit will make the disc changing noises for a few moments and then it should operate normally.	
During one-touch editing			
"NO TAPE" appears on the display.	No tape is loaded into deck 2.	Load a tape.	24
"CHANGE TAPE" appears on the display.	The protector tab on the tape is broken.	Cover the tab's hole with adhesive tape or use another tape.	48

The servicer will require all components to service your system. Therefore, should service ever be necessary, be sure to bring the entire system.

Maintenance

If the surfaces are dirty

To clean this unit, wipe with a soft, dry cloth.
If the surfaces are extremely dirty, use a soft cloth dipped in a soap-and-water solution or a weak detergent solution.

- Never use alcohol, paint thinner or benzine to clean this unit.
- Before using chemically impregnated cloth, read the instructions that came with the cloth carefully.

For a cleaner crisper sound

We recommend that you periodically clean parts (the shaded portion in the figure below) the tape contacts like the heads.
Do not use any solution other than alcohol for head cleaning.